SEQUENCE LISTING

<110> Nehls, Michael
     Zambrowicz, Brian
     Sands, Arthur T.

<120> Novel Human Polynucleotides and the
  Polypeptides Encoded Thereby

<130> LEX-0064-USA

<150> US 60/158,799
<151> 1999-10-12

<160> 1508

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<220>
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<213> Bacteriophage lambda

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<212> DNA
<213> Mus musculus

<400> 7
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ggctcactgc aacctccgcc tccaggattc aagcagttct gctgcctcag cctcccgaac   180
aggcgagcgc caccacactc ggctaatttt tgtatttttt agtagatatg gggttcacca   240
tattggccag gctggtctcg aactcctggc ctcgtgatcc gcccaccttg gcctcccaga   300
gtgctgggat tacaggtgtg agtcaccacg cctggcctag ttaangagtt ttgacaattg   360
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<211> 298
<212> DNA
<213> homo sapiens

<400> 10
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ccacgcctgg ctaatatttg tattttttgt agagacgagg cttcaccatg ttacccaggc   180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat   240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaaaaaaa   298

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<220>
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<223> n = A,T,C or G

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ccacctttgn gngcccgtct tcnnggcaaa ggaccaaact gaaggnggcc tacctggcct   180
anatgccatt ctatanggcn gctatggcca atactttagg ttttcaccct ggaagaaatn   240
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<212> DNA
<213> homo sapiens

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ccacgcctgg ctaatatttg tatttttttgt agagacgagg cttcaccatg ttacccaggc   180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat   240
tacagggatg agccactaca gccagtcaat aaaattactt ttgaaagcca aaaaaaaaag   300
gc   302

<210> 13
<211> 417
<212> DNA
<213> homo sapiens

<400> 13
gaggttagac ttgtttctta tatgtgatgc cattccagca ctggactcat ggaggctgag   60
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gctcactgca acctccgcct ccaggattca agcagttctg ctgcctcagc ctcccgaaca   180
ggcgagcgcc accacactcg gctaattttt gtattttta gtagatatgg ggttcaccat   240
attggccagg ctggtctcga actcctggcc tcgtgatccg cccaccttgg cctcccagag   300
tgctgggatt acaggtgtga gtcaccacgc ctggcctagt taatgagttt tgacaattgt   360
attcacccat gtaaccactg catcaaataa aattgaatat ttcaatcaga aaaaaaa   417

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<212> DNA
<213> homo sapiens

<220>
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gtaccttccc cataatggcc ataacttca gaagagaggt ggcctactct gaaatcacag   180
tctcaggcaa aactgaagat aagggaaagc cactccttcc tgcagaggga tacagcacaa   240
ggctcaagtc tggctttatc aaaagatgtc acttgaattt taactagaaa gcttttatgg   300
cctttccagc ggatatggtt tggttatgtc cccacccaaa actcatcttg aattgtaata   360
atacccacgt gtcaatgatg ggaccaggtt gagataattg aatcataagg gcagtttccc   420
ctatgctgtt cccgtgatag tgagtgagtt ctcatgagat ttgatggttt tataaggggc   480
ttccaggctt cctccttcgc ttggctccca ttgtgtctct tgctgacatg taagggagta   540

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ctgnttgctt cccccttccac catgattgta aagtttcttg aggccttccc aaccatgcaa    600
aaactttgag tcaatta                                                    617


<210> 15
<211> 226
<212> DNA
<213> homo sapiens


<400> 15
gacctcactc tgtcacccag gctggagtgc agtggtgcaa tcttggatca ctgccacctc     60
tgcctccagg ctaaagtgat cttcccacct tagccttaca aggagcaggg actacaggat    120
ctggcatctc cttaacttca ggaacatggg gaactaccat aggcttgtaa gcacagttgc    180
attccttta ataaaacttg ttaaacaaac tttactaaca aaaaaa                    226


<210> 16
<211> 298
<212> DNA
<213> homo sapiens


<400> 16
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg     60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta    120
ccacgcctgg ctaatatttg tatttttgt agagacgggg cttcaccatg ttacccaggc    180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat    240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaaaaaaa      298


<210> 17
<211> 150
<212> DNA
<213> homo sapiens


<400> 17
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cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta    120
ccacgcctgg ctaatatttg tatttttgg                                      150


<210> 18
<211> 298
<212> DNA
<213> homo sapiens


<400> 18
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cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta    120
ccacgcctgg ctaatatttg tattttttgt agagacgagg cttcaccatg ttacccaggc    180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat    240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaaaaaaa      298


<210> 19
<211> 605
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(605)
<223> n = A,T,C or G


<400> 19
gccttcagac tccgatgaat tacaccactg gcttgcctgg ttctccagct tgcagacaga     60
agactgtggg acttctcagc ctctataatc ttctccttcc cagctagcca ctcacaaccc    120
cgccatgggc ctcagaattg ctaaagggac atcagaccat actacacatc attagatctc    180
aatgaagaac acctctagtt ggcccgtctc tttgtgaggt gccacccttg acatcaagtg    240
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4

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caggcctcga cgttgttggc atttcagagc cttggcagaa gttggntaaa ttggcgggaa      300
gtgatgctgc cagctggagc tgttgtgctg caagtgagga agaagcagtg tagcccccaag     360
tgccctgcat ttgctcttct aacaaagttc tgtttgttga cggactgacc ggcttaccga      420
cacaaagatg ggaagcaaat ggagagacgg atcaaggccc ttcctcggca tctggaggaa      480
gcttgggcga gtgtcttggt cgccagagct cagagctctc cgctgaactc ttatctccaa      540
cttggcaact agaccgcgag cttgcgaagc aaggagagga cagggatggt cacctaccga      600
gaacc                                                                  605


<210> 20
<211> 638
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(638)
<223> n = A,T,C or G


<400> 20
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ttattagtaa tatattaata aatattgtgt tttattaata gcaataaagt gtttttaatt      180
aagtgatctg gaactgaacc tgtaatatgt ccaaggtatg cttctaatca gccaaaatga      240
taaaccatca gattgaaaaa acttccagag ttaatatatt aaaagagatg gagtcttact      300
acgttgccca ggctgtcctc gaactcctgg gttcaaggga tcctcctgcc tcagcctcct      360
gagtagttgg gaatagttcc aaaactattg gaaatagagg catgagccac ggtacccagc      420
cttttcttac atttatctct ttcctttaac caatatggct ncatccaaat taactttctg      480
ttgaattcta tttcaaggtg cagaaattaa gtttttgngc tttatacata ataggnatac      540
nagtaatatt ttgngaaata catctatnat gntangggaa actaaggtat tcttttctgg      600
tttggaattg ggggaaaaat gttattatca aataagaa                              638


<210> 21
<211> 493
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
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<223> n = A,T,C or G


<400> 21
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tgcagagctg aggaccacat cttccatttc ctttgaagaa agaattttct ccatcacaaa      120
agagtcttta tgccttctgc caagagagga cacagcattc ctcacttcca gaagactcag      180
tgttccagga gccatcttgg aagcagagac cagagagacc ctcaccagac aatgaatcta      240
ctagcccctt gatcttgaac tttccagcct ccagtactgt gtgaagcaaa tttcggttct      300
ttataaatta tccactctca ggtattttgn tatagcagtg caaatggact aagacaatgt      360
ccttcttgga gatgccagtg gtccctgtgg tgagttgctg tctgagatac ttgaaatgtc      420
ctttgtgtat agtctctgct tctctcttgg ctatacattg aaaaaatata ggtgacgact      480
ttgaaaaaaa aaa                                                         493


<210> 22
<211> 630
<212> DNA
<213> homo sapiens


<220>
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<222> (1)...(630)
<223> n = A,T,C or G


<400> 22
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caacttctac tgaggacccc tggaccaacc cactggccct ttgactggcc tagagaattc   120
acctccagag gacactacaa ctgcagggcc ccttcttcgc ccctatccag caagaagtaa   180
ctagagcggt catcacccaa ttcccaacag cagctggggc gtcctgttta dacgggggta   240
gggggagatt gagaggtgaa gccagctgga cttcctgggt tgactgcaga cttggagaac   300
ttttctgtct tacgagagga ttgtaagatg caccaatcag cactctgtaa aaacacacca   360
atcagtgctc tgtagctagc aagaagattc taaaatgcac caaccagcac tctgtaaaat   420
gcaccaatca gcgctctata aaatgcacca atcagcgctc tgtaaaatgc accaattagc   480
aggatcctaa aagtagccaa tcacagggag aactgaaaaa agtgcactcg dataggaaag   540
aaacagaacg tgggaagggc caataagggg ataaaagctg gncacttcag ccaagcaagc   600
aacaacccgc tcangtcccc tttcacactg                                    630
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<210> 23
<211> 406
<212> DNA
<213> homo sapiens

<400> 23
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ggacggggggc agagaaattc tagccagaaa agtgtgggtc actgacaaac cgccactctc    60
aagccaaaaa acctgaaacc acaggccaaa gtgagagctt atatacctgt tttcccactt   120
gaatgctgct ttttcctcaa ccaccctgg ccccgccctg cgccatcctg tgcctattaa   180
aaccccagac tcagctagta catgggacta tggctggacg tgggagaaaa gcagcttgac   240
ttcagaagga cagcttaaca gcgtaacttc ggagaagaat ctggcctgg atgacctgac   300
ttcagggggaa ggtaatcttc ctacccctc cgatttacag ctccccttcc cactgagagc   360
cacttttcatt agcaataaaa tcccccgcat ttaccatcaa aaaaaa                 406
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<210> 24
<211> 203
<212> DNA
<213> homo sapiens

<400> 24
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ctcagaactt ctgccagcct ggaatcctca atgactgcac aaagcacagt ctactcaccc   120
actccctccc tagaccgccc tcaacgcggc ttttatagga aatgaaaaat aaattctatt   180
cttattgctc cacaaaaaaa aaa                                           203
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<210> 25
<211> 292
<212> DNA
<213> homo sapiens

<400> 25
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gcggcaggaa gtttctcgac acctcagctt cttgagtagc cgggactaca ggcatatgct   120
accacgcctg gctaatatttt gtattttttg tagagacgag gcttcaccat gttacccagg   180
ctgatctcaa actcctgagc tcaagcaatc ctcccaccttt ggcctcccaa agtgctggga   240
ttacagggat gagccactac agccagtcaa taaaattact tttaaaaaaa aa           292
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<210> 26
<211> 298
<212> DNA
<213> homo sapiens

<400> 26
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cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta   120
ccacgcctgg ctaatatttg tattttttgt agagacgagg cttcaccatg ttacccaggc   180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat   240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaaaaaaa    298
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<210> 27
<211> 384
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6

<212> DNA
<213> homo sapiens

<400> 27
gcataactga aggtgaaagg acagaatcac cgtgtgttac tggcacaaga tgcatcggct      60
agtgaagaaa gaagacattc aaactagtcc cgctctgtcg cccagtctgg agtgcagcag     120
cgccatcata gctcactgcc acctagaagc cggggtgaag caatcctcct ccatcagcct     180
tcagagtagc tggactacc tgcgcggccc accacacccg gctaatcttt gtggtttttg      240
ttttgttttc cgttctgggt ttccgtcggg cgcagtggct caggcctgca atcccagcac     300
tttggaaggc agaggtgggc ggatcacccg aggtcggaga ccagcctgac caacatgaag     360
aaatcccgtc tctactaaaa aaaa                                            384

<210> 28
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<212> DNA
<213> homo sapiens

<220>
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<222> (1)...(314)
<223> n = A,T,C or G

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tagtctacaa cccagccatc gtcaagataa cattagactg cgttccaggc ggaccatgac     120
tcaagatagc caccagacca aggcacggac acctagcacc cagcaccact cctgcatgcc     180
tcccactcta agttcccctt tataaacacc tctccacagt cgaaagtttg aaatcgtctt     240
ttaagggcat gagcttggcc attcccagat cttggcattt gaataaagta gctntctgtt     300
catcacaaaa aaaa                                                       314

<210> 29
<211> 329
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(329)
<223> n = A,T,C or G

<400> 29
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tagatgctgg agcagcgagg tgcgaacgcg gcggcaggaa gtttctcgac acctcagctt     120
cttgagtagc cgggactaca ggcatatgct accacgcctg gctaatattt gtattttttg     180
tagagacgag gcttcaccat gttacccagg ctgatctcaa actcctgagc tcaagcaatc     240
ctcccacctt ggcctcccaa agtgctggga ttacagggat gagccactac agccagtcaa     300
taaaattact tttaaaagcc aaaaaaaaaa                                      329

<210> 30
<211> 298
<212> DNA
<213> homo sapiens

<400> 30
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cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta     120
ccacgcctgg ctaatatttg tattttttgt agagacgagg cttcaccatg ttacccaggc     180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat     240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaaaaaaa       298

<210> 31
<211> 292
<212> DNA

7

<213> homo sapiens

<400> 31
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gcggcaggaa gtttctcgac acctcagctt cttgagtagc cgggactaca ggcatatgct       120
accacgcctg gctaatattt gtattttttg tagagacgag gcttcaccat gttacccagg       180
ctgatctcaa actcctgagc tcaagcaatc ctcccacctt ggcctcccaa agtgctggga       240
ttacagggat gagccactac agccagtcaa taaaattact tttaaaaaaa aa               292


<210> 32
<211> 105
<212> DNA
<213> homo sapiens

<400> 32
agaaaaatga ctcatcatgt gaaagagaag agtaatacaa ttaacctgac tttaaatcac        60
aaacaatgga gatcagaaga taatggagag gcactgaaaa aaaaa                       105


<210> 33
<211> 250
<212> DNA
<213> homo sapiens

<400> 33
gcttgcaagc tgctgaagga caggggagca gttgtagcca tcctgcaccc caactcatac        60
accgtggccc aggtcttacc cagtgcttag cactctgtag tacttaaaac cacacttgct       120
atattcacct gaagttctgg aagtgagaag cctcaaatga aatactcaag accagaatct       180
ctttactctt tctggtctga gcaagtggga ggtgagagaa taaaactggg aagtgttgga       240
aaaaaaaaaa                                                              250


<210> 34
<211> 366
<212> DNA
<213> homo sapiens

<400> 34
gggcattcgg ataagccatc atatctcctg tgacctgcac gtacacatcc agatggccgg        60
ttcctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct       120
taactgatga catggtcttg tgaaattcct tctcctggct catcctggct caaaagctcc       180
cctactgagc accctgtgac ccccactctg cccgccagag aacaaccccc ctttgactgt       240
aattttcctt tacctacccg aatcctataa aacggcccca cccctatctc cctttgctga       300
ctctcttttc ggactcagcc cacctgcacc caggtgaaat aaacagcttt attgctcaaa       360
aaaaaa                                                                  366


<210> 35
<211> 298
<212> DNA
<213> homo sapiens

<400> 35
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cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggattacag gcatatgcta       120
ccacgcctgg ctaatatttg tattttttgt agagacgagg cttcaccatg ttacccaggc       180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat       240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaaaaaaa        298


<210> 36
<211> 193
<212> DNA
<213> homo sapiens

<400> 36
gtggctttta gacacccaca gcagcacacg gacctctgat tgggattcga cagacgggag        60

8

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ccagaaagct gtctgccctt tttgcgatga ctggggaacc ccacggagga aaccaccaac      120
cccttcccca acctgaggct ggacgtgccc tccctcaccc ttcaataaac ttcagacctg      180
tcaaaaaaaa aaa                                                         193


<210> 37
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<212> DNA
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<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G


<400> 37
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg       60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta      120
ccacgcctgg ctaatatttg tatttttgt agagacgagg cttcaccatg ttncccaggc       180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat      240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaaaaaa         298


<210> 38
<211> 298
<212> DNA
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<400> 38
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg       60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta      120
ccacgcctgg ctaatatttg tatttttgt agagacgagg cttcaccatg ttacccaggc       180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat      240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaaaaaa         298


<210> 39.
<211> 298
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G


<400> 39
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg       60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggnctacag gcatatgcta      120
ccacgcctgg ctaatatttg tatttttgt agagacgagg cttcaccatg ttacccaggc       180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat      240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaaaaaa         298


<210> 40
<211> 416
<212> DNA
<213> homo sapiens


<400> 40
aggttagact tgtttcttat atgtgatgcc attccagcac tggactcatg gaggctgagc       60
atttattcag atggagtctc actctgttgc ccaggctgga gtgcagtggc gcgatcttgg      120
ctcactgcaa cctccgcctc caggattcaa gcagttctgc tgcctcagcc tcccgaacag      180
gcgagcgcca ccacactcgg ctaattttgt tattttttag tagatatggg gttcaccata      240
ttggccaggc tggtctcgaa ctcctggcct cgtgatccgc cctccttggc ctcccagagt      300
gctgggatta caggtgtgag tcaccacgcc tggcctagtt aatgagtttt gacaattgta      360
ttcacccatg taaccactgc atcaaataaa attgaatatt tcaatcagaa aaaaaa         416
```

9

<210> 41
<211> 490
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(490)
<223> n = A,T,C or G

<400> 41
```
gatcccatcc aggatctcac attctacgtc gttgtcattg tcttgcctcc tgaggctcct      60
cttggctgtg accacttctc ggactttat  tttgatgaaa atattntgat gaccctgaca     120
gttttgagaa gtcctggttt ggtgtcttgg aggatactgc tatactggaa tttgtttcgn     180
gttgntctca tgtttagaca ggggttatgg gttttttggg t gtctgatcac aaagccgagg    240
tgccgttttc atcatgtatc ctatcagagg tcctatcaac tggagttaca aagatgctga     300
ctttatcacg ggtatccgct gggtttctgc acccgcagaa tgagcccct  tctcccgttc     360
cacactggac tctttgggaa gaagtcacta agtgcagcca cacataanng cctgggactt     420
atgncttca  agccccnaac tcattttaag ggtgaaatta ggtgancatt aaaattggcc      480
ttgttgcaat                                                            490
```

<210> 42
<211> 281
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(281)
<223> n = A,T,C or G

<400> 42
```
atatttctac aatctttatt taaagatgaa nttagaaggc ccggngtgcg gtggctnant      60
gccctgtaat ncggnggcnc tttggaaggc ttgnggngag agaanctgct tcagcttcna     120
ggagtttgan aaccngcctg gncaaanaaa ngtgatannc tgcctntata tacannatna     180
ggcttcggag cacaaaaggg cttttgtttt gatttntggc ccncnggtaa ctaaggccaa     240
gaaagaaant tctatcctcc tgcancacca agcaacatac c                        281
```

<210> 43
<211> 593
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(593)
<223> n = A,T,C or G

<400> 43
```
ggagccaata aagcaactga aacataaatt agatgctgag acaactcagt ctacagaagg      60
gccttgggag tagcttctgg atcatctgcc actgacgata gagcccacag cctcttaggt     120
gcaaagacaa aagccagaac agatattatc tctgagactg gatcagccat ccagcagagg     180
accagacacg gggacaggtc tgcttttgtt tactgaagac ggcaattcct cagtggccac     240
attttctccc gcatcttgac cacagagccc gagtagagac ggggtttcgc cacgttggcc     300
aggctggtct tgaactcctg acctcagatg atctgtccgc ctcatcctcc caaagtgttg     360
gcatcacagg cgtgagccac cgcacacggc caagatgttt tatgtctaac aagctctcaa     420
gtgagactga tgctgctggt cctaggacta cacttggaat aacaagactt taaaatattc     480
tacacatgga tgncatgagt attaatgcac tcaaatcatg ggccattctg ggctnccaac     540
aaatctgggc ggtggtggat accattaaca atcttggncc aacttggcaa ata            593
```

<210> 44
<211> 416
<212> DNA

<213> homo sapiens

<400> 44
```
aggttagact tgtttcttat atgtgatgcc attccagcac tggactcatg gaggctgagc      60
atttattcag atggagtctc actctgttgc ccaggctgga gtgcagtggc gcgatcttgg     120
ctcactgcaa cctccgcctc caggattcaa gcagttctgc tgcctcagcc tcccgaacag     180
gcgagcgcca ccacactcgg ctaatttttg tattttttag tagatatggg gttcaccata     240
ttggccaggc tggtctcgaa ctcctggcct cgtgatccgc cctccttggc ctcccagagt     300
gctgggatta caggtgtgag tcaccacgcc tggcctagtt aatgagtttt gacaattgta     360
ttcacccatg taaccactgc atcaaataaa attgaatatt caatcagaa aaaaaa        416
```

<210> 45
<211> 166
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(166)
<223> n = A,T,C or G

<400> 45
```
tctatggtac tcggaccatg gagccataca ggattttttt ccaggaaagc cattccgtca      60
gaggggttca aggtgatgaa aagttggcaa actgcagctt acatcaaagg cattgtttcc     120
ccaagccatn gaanaatctg anaactggct tttttgattt ttatga                  166
```

<210> 46
<211> 195
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(195)
<223> n = A,T,C or G

<400> 46
```
ccctggctaa ggggtctttt ccacccaggt tggagtgaag tggcccaata tcaactcatt      60
gcaacctctg cctcctggct canactctcc tncagcctca gtcttccgag tagctgggac     120
cacaggtgca caccaccaca cctggctaat tttctgtata aaaataaata atttttctaa     180
tgctttaaaa aaaaa                                                    195
```

<210> 47
<211> 540
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(540)
<223> n = A,T,C or G

<400> 47
```
gatttctggt gaagcacgtt tgaagaaaca nactggttgg aaagcagcgt gaagtatgcc      60
cctgtggaaa cactaccggg agccaaggag attgccctct catcgcgggg ccagtcctag     120
aagccacttc ttccccaagg caatggcagg aggaaagatt tgacttagtg tggggatgat     180
aaagatcagg aggttgcagc acatcatcat aggaagatac agagaggctg tgaggagcaa     240
gacaagtctg aaagccacca agagggagac agtactaggg agacttggca gggtttgtag     300
taaagcgaaa ctttgccagt cattagaaat tagtttagag gcattaaaat gctgcccaaa     360
tcttggaaag ataaacttgt gctctggtga attattcctc tctctctccc taattcctaa     420
ttgcaagaaa gttgctctag aatcagcttg ggactgaggg gttgattgtg gtggatttgc     480
tcccctcctc cacctgcacc ttggcattac ctaagttccc ccttattggg tgctcatatc     540
```

11

<210> 48
<211> 300
<212> DNA
<213> homo sapiens

<400> 48
gtccgcaggc tggaaggttg gaatatgccc tagatgctgg agcagcgagg tgcgaacgcg   60
gcggcaggaa gtttctcgac acctcagctt cttgagtagc cgggactaca ggcatatgct   120
accacgcctg gctaatattt gtattttttg tagagacgag gcttcaccat gttacccagg   180
ctgatctcaa actcctgagc tcaagcaatc ctcccacctt ggcctcccaa agtgctggga   240
ttacagggat gagccactac agccagtcaa taaaattact tttaaaagcc aaaaaaaaaa   300

<210> 49
<211> 379
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(379)
<223> n = A,T,C or G

<400> 49
aggttagact tgtttcttat atgtgatgcc attccagcac tggactcatg gaggctgagc   60
atttattcag atggagtctc actctgttgc ccaggctgga gtgcagtggc gcgatcttgg   120
ctcactgcaa ccttcgcctc caggattcaa gcagttctgc tgcctcagcc tcccgaacag   180
gcgagcgcca ccacactcgg ctaatttttg tattttttag tagatatggg gttcaccata   240
ttggccaggc tggtctcgaa ctcctggcct cgtgatccgc cctccttggc ctcccagagt   300
gctgggatta caggtgtgag tcaccacgcc tggcctagtt aatgagtttt gacaattgna   360
ttcacccatg taaccactg   379

<210> 50
<211> 151
<212> DNA
<213> homo sapiens

<400> 50
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg   60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta   120
ccacgcctgg ctaatatttg tattttttgg a   151

<210> 51
<211> 133
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(133)
<223> n = A,T,C or G

<400> 51
cttaatctgg aggccattan ctanatggta tgctgacnnc gacnncaana tcaaatgngc   60
ggcccttgac tgaaatcang ccagcccatg gccccaataa aggcagctnc ctttgntncc   120
tttgaaaaaa aaa   133

<210> 52
<211> 590
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature

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<222> (1)...(590)
<223> n = A,T,C or G

<400> 52
aacaggaagc cattggagag tcctgagcag agaaaggact gacctgcctc atgtttaaa   60
tctggctgcc gtattggaag tagattggag gaaaaaaaag tggaagccct gggacccacc   120
atcatgaaca atcggggaga agacaagagg ccagcaaagg aatgaacaca gggacgcatg   180
agacatttgg tgccgaagac ctgggtcagc gggactcctt tgggagacca gtcccccatc   240
ctcaccctca ctctgtgaag agatccacct acgaccttgg gtcctcagac caaccagcct   300
aaggaacatc tcacctattt taaatcggac aggaatgtca ggcctctgaa cccaagctaa   360
gccatcatat cccctgngac ctgcatttat acatccagat ggcctgaagc aaatgaagat   420
ccacaaaaga agtaaaaata gccttaactg atgacattcc accattgnca tctgcctacc   480
cttaactgag aaagatatat tctcccccgc cttaagaagg gctttggatt gcctatcccc   540
aacctataag aactaatggt natcccagcg ncctttggtg actctttttt .   590

<210> 53
<211> 367
<212> DNA
<213> homo sapiens

<400> 53
cgatctataa ctacaatgct tctcaagatg tggagctctc cttgcagatc ggtgacacag   60
ttcacatcct ggagatgtac gagggttggt acagaggata taccctccaa aataaatcta   120
aaaaggcagt tggttccagg acccccacaa taccgaaatc catggatgct caagtctctg   180
atataaaatg gcatagtatt tgcatataac ctctgcattt cctcccgtgt actttaaatc   240
atgtctagat tatttataat acctaataca atgtaaatgc tatgtaagta gttattatac   300
cgtattgttt agggaataat gacaaggaaa taaacctctg cttacttttt tttctctata   360
aaaaaaa   367

<210> 54
<211> 410
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(410)
<223> n = A,T,C or G

<400> 54
ggacgggggc agagaaattc tagccagaaa agtgtgggtc actgacaaac cgccactctc   60
aagccaaaaa acctgaaacc acaggccaaa gtgagagctt atatacctgt tttcccactt   120
gaatgctgct ttttcctcaa ccacccctgg ccccgccctg cgccatcctg tgcctattaa   180
aacccagac tcagctagta catgggacta tggctggacg tgggagaaaa gcagcttgac   240
ttcagaagga cagcttaaca gcgtaacttc ggagaagaat ctggctggag atgacctgac   300
ttcaggggaa ggtaatcttc ctaccccctc cgatttacag ctcccttcc cactgagagc   360
cactttcatt agcnatnaaa atccccggat tttaccacca ttaaaaaaaa   410

<210> 55
<211> 280
<212> DNA
<213> homo sapiens

<400> 55
agaacaccac cactaatggg aagactgccc cctgaccggc acatggcctc agcattcatc   60
cacagatgct cctcaaattg tttaaaaac agcttttttt aaaagctgtt tgtctatgaa   120
gattaaatga gttaataata taagcaaagc actttgcatg ctactgggc acggtggttc   180
atgcctgtaa ttccagcact ttgggaggcc gaagcaggtg gatcacctga ggtcaggagt   240
tcaagaccag cctgatcaac atggcgaaac cctgtctcta   280

<210> 56
<211> 484
<212> DNA

<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(484)
<223> n = A,T,C or G

<400> 56
aatataagcc ccatgagggc agaggttttt gtgttttgtt gctgctgttt ccaggcattt   60
gtaatgggac ccggagcatc ttcagaagag gggttgttga acagagctcc accgacgcaa   120
tgcccaggca taaaaaggcc aggccggaga gaccgccacc agtcacggac cctggaccca   180
gcgcacccgc accatggccg gccccagcct cgcttgctgt ctgctcggcc tcctggcgct   240
gacctccgcc tgctacatcc agaactgccc cctgggaggc aagagggccg cgccggacct   300
cgacgtgcgc aagacggctg ccacgccgac cctgcctgcg acgcggaagc caccttntnc   360
caacgcttaa acttnganng nttcnnanna accttcaaaa cggcgccatt tngtttcccc   420
catagccacc ccagaaaatg gtgaaaatta aaataaagca ggttttttct cctctaaaaa   480
aaaa   484

<210> 57
<211> 401
<212> DNA
<213> homo sapiens

<400> 57
ggacgggggc agagaaattc tagccagaaa agtgtgggtc actgacaaac cgccactctc   60
aagccaaaaa acctgaaacc acaggccaaa gtgagagctt atatacctgt tttcccactt   120
gaatgctgct ttttcctcaa ccaccccctgg ccccgccctg cgccatcctg tgcctattaa   180
aaccccagac tcagctagta catgggacta tggctggacg tgggagaaaa gcagcttgac   240
ttcagaagga cagcttaaca gcgtaacttc ggagaagaat ctggctggag atgacctgac   300
ttcaggggaa ggtaatcttc ctaccccctc cgatttacag ctcccccttcc cactgagagc   360
cactttcatt agcaataaaa tccccggatt tacccatcct t   401

<210> 58
<211> 395
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(395)
<223> n = A,T,C or G

<400> 58
cctgctgacc tgatgaagta agcngccttg tcnggaaagc ctacatggnn aggaactgca   60
gatggcctct angaactgng agtggccttt aggagctgaa gttggcctcc aatcancaag   120
aanccagggc acttantnct actgcggnna ggaantacat tctgccnacc atctnaatga   180
gcttggaagn ggattcttnc caagccaagc cttcatataa gaatgcngcc cacctgacac   240
attcataaca gctgagcaga ngacccaatt aanccgngcc tggactcttc atccacagaa   300
acttcgagat aatcgatgca tgttgcgtta accatgacgg ttgngataat tcgttatgca   360
gcaatagatg actaacacac ttctttaaaa aaaaa   395

<210> 59
<211> 300
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 59
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg   60

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```
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta    120
ccacgcctgg ctaatatttg tatnttttgt agagacgagg cttcaccatg ttacccaggc    180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat    240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagccc caaaaaaaaa    300
```

<210> 60
<211> 337
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(337)
<223> n = A,T,C or G

<400> 60
```
gaacatggtt agacctctga gcccaagcct gcatgtgtac atccagttgg cctgaanaaa     60
ttggngaatc acanaagaag tgaaaatggc cggntcctgc cttaactgat gacattacct    120
tgtgaaattc cttctcctgg ctcanaagtt ccctntactg aacaccttgt gaccccacc     180
cctgnctgca agagaaaaac cccttttggc tgtaattntn cactacccac ccaaatncta    240
taaaactgcc ccaccctatc tccctttgct gactctctgt ttggactnag cccacctgct    300
nccaggtaat taaaaagctt tattgcttaa aaaaaaa                             337
```

<210> 61
<211> 298
<212> DNA
<213> homo sapiens

<400> 61
```
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg     60
cggcaggaag cttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta    120
ccacgcctgg ctaatatttg tattttttgt agagacgagg cttcaccatg ttacccaggc    180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat    240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaaaaaaa     298
```

<210> 62
<211> 293
<212> DNA
<213> homo sapiens

<400> 62
```
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg     60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta    120
ccacgcctgg ctaatatttg tattttttgt agagacgagg cttcaccatg ttacccaggc    180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat    240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaa          293
```

<210> 63
<211> 290
<212> DNA
<213> homo sapiens

<400> 63
```
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg     60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta    120
ccacgcctgg ctaatatttg tattttttgt agagacgagg cttcaccatg ttacccaggc    180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat    240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagccc                290
```

<210> 64
<211> 385
<212> DNA
<213> homo sapiens

<400> 64
```
gcataactga aggtgaaagg acacgaatca ccgtgtgtta ctggcacaga tgcatcggct     60
agtgaagaaa gaagacattc aaactagtcc cgctctgtcg cccagtctgg agtgcagcag    120
cgccatcata gctcactgcc acctagaagc cggggtgaag caatcctcct ccatcagcct    180
tcagagtagc tgggactacc tgcgcggccc accacacccg gctaatcttt gtggtttttg    240
ttttgttttc cgttctgggt ttccgtcggg cgcagtggct caggcctgca atcccagcac    300
tttggaaggc agaggtgggc ggatcacccc gaggtcggag accagcctga ccaacatgaa    360
gaaatcccgt ctctactaaa aaaaa                                          385
```

<210> 65
<211> 299
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(299)
<223> n = A,T,C or G

<400> 65
```
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg     60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta    120
ccacgcctgg ctaatatttg tatttttttng naaanacaag gnttnaccat gtnacccagg    180
ntgatntnaa actcctganc tnaancaatc ntcccacntt ggcctcccaa agggctggna    240
ttacagggat nanccantac agccagncaa taaaattant tttaaaagcc aaaaaaaaa     299
```

<210> 66
<211> 298
<212> DNA
<213> homo sapiens

<400> 66
```
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg     60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta    120
ccacgcctgg ctaatatttg tattttttgt agagacgagg cttcaccatg ttacccaggc    180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat    240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaaaaaaa     298
```

<210> 67
<211> 148
<212> DNA
<213> homo sapiens

<400> 67
```
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg     60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta    120
ccacgcctgg ctaatatttg tatttttt                                      148
```

<210> 68
<211> 298
<212> DNA
<213> homo sapiens

<400> 68
```
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg     60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta    120
ccgcgcctgg ctaatatttg tattttttgt agggacgagg cttcaccatg ttacccaggc    180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat    240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaaaaaaa     298
```

<210> 69
<211> 299
<212> DNA

<213> homo sapiens

<400> 69
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg   60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta   120
ccacgcctgg ctaatatttg tatttttgt agagacgagg cttcaccatg ttacccaggc   180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat   240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagccc aaaaaaaaa   299

<210> 70
<211> 298
<212> DNA
<213> homo sapiens

<400> 70
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg   60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta   120
ccacgcctgg ctaatatttg tatttttgt agagacgagg cttcaccatg ttacccaggc   180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat   240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaaaaaaa   298

<210> 71
<211> 406
<212> DNA
<213> homo sapiens

<400> 71
ggacgggggc agagaaattc tagccagaaa agtgtgggtc actgacaaac cgccactctc   60
aagccaaaaa acctgaaacc acaggccaaa gtgagagctt atatacctgt tttcccactt   120
gaatgctgct ttttcctcaa ccaccctgg cccgccctg cgccatcctg tgcctattaa   180
aacccagac tcagctagta catgggacta tggctggacg tgggagaaaa agcagcttga   240
cttcagaagg acagcttaac agcgtaactt cggagaagaa tctggctgga gatgacctga   300
cttcaggga aggtaatctt cctacccct ccgatttaca gctcccttc cactgagagc   360
cactttcatt agcaataaaa tcccccgcat ttaccatcaa aaaaaa   406

<210> 72
<211> 384
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(384)
<223> n = A,T,C or G

<400> 72
gtcgcaggct ggaaggttgg aatatgccct anatgctgga ncancgaggt gcgaacgcgg   60
tcggcaggaa gtttctcgac acctcacctt cttnagnntc cgggactaca ggcatatgct   120
accacgcctg gctaatattt gtattttng taaagacgag gcttcaccat gtnacccagg   180
ctgatctaaa actnctgagc tcaagcaatc ctnccacctt ggnctcccaa agtgctggga   240
ttacagggat gangccacta cagccagtca atanaattac ttttaaaagc ctgggaggcc   300
aaggcgggta aaatcacctg tggtcaggag ttcaagacca gcctgaccaa catggaaaaa   360
cccagtctct actaaaaata caaa   384

<210> 73
<211> 384
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(384)
<223> n = A,T,C or G

17

<400> 73
```
gcataactga aggtgaaagg acaagaatca ccgtgtgtta ctggcacaga tgcatcggct      60
agtgaagaaa gaagacattc aaactagtcc cgctctgtcg cccagtctgg ngtgcagcag     120
cgccatcata gctcactgcc acctagaagc cggggtgaag caatcctcct ccatcagcct     180
tcagagtagc tgggactacc tgcgcggccc accacacccg gctaatcttt gtggtttttg     240
ttttgttttc cgttctgggt ttccgtcggg cgcagtggct caggcctgca atcccagcac     300
tttggaaggc agaggtgggc ggatcacccg aggtcggaga ccagcctgac caacatgaag     360
aaatcccgtc tctactaaaa aaaa                                            384
```

<210> 74
<211> 555
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(555)
<223> n = A,T,C or G

<400> 74
```
gatcgaggcc atcaagctac agatggtctt acaaatggca ccccaaatga gctcaactca      60
caacttctac tgaggacccc tggaccaacc cactggccct ttgactggcc tagagaattc     120
acctccagag gacactacaa ctgcagggcc ccttcttcgc ccctatccag caagaagtaa     180
ctagagcggt catcacccaa ttcccaacag cagctggggt gtcctgttta gacggggta     240
gggggagatt gagaggtgaa gccagctgga cttcctgggt tgactgcaga cttggagaac     300
ttttctgtct tacgagagga ttgtaaaatg caccaatcag cactctgtaa aaacacacca     360
atcagtgctc tgtagctagc aagaagattc taaaatgcac caaccagcac tctgtaaaat     420
gcaccaatca gcgctctata aaatgcacca atcagcgctc tgtaaaatgc accaattagc     480
aggatcctaa aagtagccaa tcacagggag aactgaaaaa agtgcactcn gataggaaag     540
aaacagaacg tggga                                                      555
```

<210> 75
<211> 163
<212> DNA
<213> homo sapiens

<400> 75
```
gtgctgctgt gcttctgctg acctactgga catactttgt ttggtttcaa agtcaaggag      60
tgacattccc atatggatat ttcctatgaa aaccaagttt gtgatttatt cttatttcat     120
cctggaaaat gtaacagtgt ttatccttaa ctaaggaaaa aaa                       163
```

<210> 76
<211> 235
<212> DNA
<213> homo sapiens

<400> 76
```
gtggggtctt tcagtatgca cgagtgtgaa aggagcctgc tacagaacaa ggaagaggac      60
caacatttta ggatacagca gaagatgaag aagctaagca agacggctgg gcagggtgag     120
tcactcttgt aatcccagca ctctgggagg ccgaggcggg tggatcactt gaagtcagga     180
gtttaagacc agcctgggca acacggtgaa accccgtccc tactaaaaat acaaa          235
```

<210> 77
<211> 362
<212> DNA
<213> homo sapiens

<400> 77
```
ctgttgttca tcatttcctt ccctaatttg ttccaagatt aagctgactt gtcacagtca      60
tttcctcgtg gtccaccacc ctgccatgac ggttgaagga tagcatcatt gactggactt     120
gcttcattac tatggctttg cagaatggat caacctcagg tagccctatt acaaaaggaa     180
ctgactcagc tcaagagaaa agcttcaact ccctatgatt tcatctttga cccgaccaac     240
cagagctcct gactcaccca cccactaccc accaaactat ccttaagaac tctgatccct     300
```

18

```
gaatgctcgg gaaaatcatt ttgagtaaaa ataaaactcc agtctcctgt acagccaaaa      360
aa                                                                     362


<210> 78
<211> 248
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(248)
<223> n = A,T,C or G

<400> 78
tatgcttata ttccacgatg atgantaccc cncnttctcc ctctgtntac ccagaagttt       60
aagtnttacg cancacacca tgggaaaata ntnaacngac ttctgtttgg acatgaaatt      120
gaagcaaaga gnttacaccn ntcanancca gntttgaacc anntnngcac ggnctctgaa      180
atctggcgga cgcttcctct gaatntgggc tcntaangac gcctaancaa caatctattt      240
ggacttca                                                              248


<210> 79
<211> 222
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(222)
<223> n = A,T,C or G

<400> 79
gacattcctt ctcctggata atgnntctgg agctccccnc caaacacctt gcgacccccg       60
cccctgccca caagagcaca accccctta actgtaattt tccactacct acccaaatcc      120
tataaaactg ccccacccce atttcctttt gctgactctc ttttcggact caacccactt      180
gcacccaagt gaaataaaca gccttgttgc tcacaaaaaa aa                        222


<210> 80
<211> 174
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(174)
<223> n = A,T,C or G

<400> 80
tgcccacctt ggcctcncaa ngngctggga ttacaggtgt gagccantgt gcccnnncan       60
tattgatgaa tataatacct gacatgtgaa ctctgangna tgtgngagag atccanntgt      120
ctggtgatcc tgaaagaaca tgaaaaaana ngggggcnttc catggtcctt attt          174


<210> 81
<211> 371
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(371)
<223> n = A,T,C or G

<400> 81
agagccctca ccagccatca catntggtgg cacctngaac ttggacttnc cannctccag       60
```

```
gactcgantg aagactgaca cangccgatc gcctnggaag ccccntgggc catcgatgga      120
cgccgagctt cgggnaactc ttacagtgga ngacaggant gncangcctc tgancccaag      180
ctaanccatc atatccccan tgacctgcnc gtatatatna agatggcctg aagcaactga      240
ngatccacag aagtgaaaat agccttaact gatgacattc caccattgng atttgtttct      300
gngcccaccc taactgatca atgnactttg taatctgccc cacccttaac aaggttcttt      360
ataatgtacc c                                                          371
```

<210> 82
<211> 540
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(540)
<223> n = A,T,C or G

<400> 82
```
ggtttccctc tgttgccaag gctggagggc acgtggtgtg atcttggctc actgcaacct      60
ctgcctcctg ggttcaagct attctcgtgc ctcggcctgc caagtagctg ggattacagt      120
cgcgcgtcac caagcccggc taatttttgt attttttgta gagacggggt tttgccatgt      180
tggccaggct ggtctcaaaa tcctggcctc aagcgatcca cccgcctcga cctaccaaag      240
tgctgggatt acaggcgtga gccaccgcgc cggtccagct gatagttctt agtgatcaat      300
tgactgtggg ctggaacctc aggggaggtg ccttacctct gggaatcttc tggatctgac      360
agggtcttgc tccatcaccc aggctcaaag tgaaagtggc atgatctcac tcactgccgg      420
cttgacctcc tgagctcaaa tgatcctccc acctcaacct catgagtagc taggactgca      480
ggcatgaanc attggacccc agcaataaat agcctttttt ggnttggccc caaaaaaaaa      540
```

<210> 83
<211> 396
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 83
```
ggtctcgctt tgtcgcccag actggagtgc agtggtatga taaacagctc actgcaggct      60
caacctccca ggctcaagcc atcctcccac ctcagccccc gagttgctga gactagaggc      120
aggcaccatc atgccaggct ccactggcag agcagcagag cggaacagca gagaaggagg      180
gaagagaaga agcagctgga acattggaga gaagcagctt gacttcagag ggacaacttg      240
acagcaggac tttggagaag agtttggcca gggatggaac taagctggcc gaactccaag      300
ggaagactac cttcccactc catccttctc actccatccc ctttctagct gcccatcctg      360
ctgagagnca ctttnatagg caataaaatc cccccc                               396
```

<210> 84
<211> 277
<212> DNA
<213> homo sapiens

<400> 84
```
aactgaggag ttatgattcc actgttagaa ggacacacag aaaagttatc attggaactg      60
gcatcttgct cttcttcctc ctcttcatct gtccgaacaa ttccttcaga aagtaggtta      120
agatcgcagg ctctggtatc aggaagtctg aattctggat tggacagtca tataaacttc      180
ggcaattaag atctctttaa cctatttaat gtctacctca ttgagatgct gcaagttgta      240
cataatataa ggccagagtc gtcagcaaaa caacaaa                              277
```

<210> 85
<211> 232
<212> DNA
<213> homo sapiens
```

20

<400> 85
gccgagaagt tccaggttta ggagccatat ctggtgagag ccttcttgct ggtgcagatt   60
ctgtggcatc ccaaggcagc acagggcatc acatgggaga agccagccat cagtctgcaa   120
ttcataaaag gaccctcatg agaacctaac catgatgcta ccctgatctt ggactttcca   180
ggctccagaa ctgtgaaaaa taaatttatg ttatttataa gccaaaaaaa aa   232

<210> 86
<211> 484
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(484)
<223> n = A,T,C or G

<400> 86
ctgtgtgagc tacatntnta ggctgaaact gagacccggg aagttgaagc ccggccttgg   60
agactcgagg aagccccgct cgcgctggtg cgctctgcac ggtctgccgt tgtcaagaag   120
tgattccatt tttaaaggga agacaagagc tgaaagtttt ttgtttgaaa atggaagagg   180
ggataagtac gtccctagtt tccctccacc ccaaaattcc cttactttca aatttggggg   240
tctttaccgn tgncgagaac aggggaaaca tcctgagggg atcggctcca tcctgcagtt   300
agcaaagagg aaccgcgcgc cctcgagtcc tcgcgctgga aaccgggcgg cggcgccagg   360
gtgagcactt cttgcgttcg caacgtgctt aattaacgcc tatttacaaa acgcagcttt   420
tatttgagca aacatcataa agctttcatc angataatct cacgttatac aatctggagg   480
acaa   484

<210> 87
<211> 188
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(188)
<223> n = A,T,C or G

<400> 87
aaccctgata tcgcttatgn naggctaagg nctanttacn atgaannttn tacgncnttc   60
cctnagcata cattgtaaag agattttaat angttattgg atattgcttg aatctgggaa   120
tacttggttt gggggaggag ngatcccct gctttacttt caaataaata cataatcgca   180
aaaaaaaa   188

<210> 88
<211> 317
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(317)
<223> n = A,T,C or G

<400> 88
aacacaaagc aaaaccagta aagagaaaat acactggggt gatgtctcaa ggaaactagg   60
cacaagcacc taagagtcct ctcccagtgg catcacacan gacacacttg atttctccag   120
catcaagttg tgacaacaca tgtgaagatc taccaccaag aangccaagc gccccanagt   180
ttttgttgga ngatgggcac atangcaccc tttgnctaac atatactaaa ataccaactt   240
ccagaggaag gctggggtcc agcatcaacc ccactgtttg acaanacctt tcaggccctt   300
ttaccactta aggaatg   317

<210> 89
<211> 144

<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(144)
<223> n = A,T,C or G

<400> 89
cgatcctgca cactgctgag gaaaactccc ttatgntacc tcttggtgaa ggattccaat   60
cctgcactgc ccactgaatn ccagaanann gttgacaaan ntctnnaanc tgcaaaagaa   120
tgactgctac atcacctgct gcct   144

<210> 90
<211> 651
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(651)
<223> n = A,T,C or G

<400> 90
ggaccttgcc cagactcaac ttccctcttc cccatggacc caagttgctg agcttccaac   60
aggtgtttac agcaaaggag aatgagacag agagaagcan agatgcagag agaaagacag   120
acagagaaga ctaaactgat tgatcccaac tccattatga tatctgactc caaccacaga   180
atgaccctga tccagccaca gactgacttc tgatcctggc cacagnccac ctcctgtcct   240
cagccacaga acagctctga ctcaagccag gaactgagtc ccgacccatg ttactgactt   300
actcatgatc ctggttgcag gctggcccca gccacatgct gacccctgac cctcaccaca   360
gatggatctt tgatcccagc tataggctga tctctgattc tggctgccct gaaccaccac   420
tcctatatac tgatgaccca ccttagcgtg atcccaccca ngaactggca tttnctggga   480
caggctcttg gncacctgct gctctgcctg ggcacaccaa gccctacgca tncttccctt   540
tcaccaccat ncatgatttc ctgatttcta acaacaaaat taacttgagt tggcaacata   600
actnggctgc tgaccttctn tttggcatgg aaccccagaa caaggtcaca a   651

<210> 91
<211> 472
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 91
gaagctaccc agggctcctg ccattaaata ctggagctta atcncatggc acatntgntt   60
atcaccttta ntagaagcta caactgcgtc tgccttctgc tttcatcacc tcaaagcaaa   120
atacccttat aaaagaggtt tcagagagcc tatttgcccc ttctgccatg tgaggacaca   180
gcaacaagga gccactgatg aagcagagag ccctcgccag acaccaatct gntggcacct   240
tgatcttgga ttcacctgcc tccagaacta cgagaaataa ttgnctgttg nttataaatg   300
acccagtcta agggtctcac tctgctgcct aagctggagt gcaagtggca taatcttggn   360
tnactggacc ctcaancgtc tggattaagt gantctnccc ctcanccttc tgagtaagct   420
ggcancacaa gngcatgtca ncatgcctgg ctaanatttt tactaatttg ga   472

<210> 92
<211> 557
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature

<222> (1)...(557)
<223> n = A,T,C or G

<400> 92
```
atggggtaac acatagaaaa ggcacggaga agttaagtga tttgcctgtg gtcacaaagc    60
ctgttagcag caaacccaga acaagaacct aagatttatg accgccagtt ccagctgttt   120
ttcttcgtca tgtatcctca gcaatcaaca taatcaaaat ctgtttggag actactgatt   180
tgtataaagg aagataacac cgaacaacca aacaggaagt aatccagcga atctggaaca   240
gcggtggaat ttagaagcaa ggccagatga ggaccctaag acctagagaa actaagtcat   300
ttgctcaaga agacaaaggt aatcatcagg aatcaacatg agatttcagc tcttctgatc   360
cttagtacaa catgtgaaag aagatatggt ggctttctta caatgggggn atttttctan   420
ctgngggtaa attgggntcc tntngnntan ggacccaaac tttggtccca ctcatcggct   480
atgcngggga aaaggacttt caggtcaaca gctgnaactg gtaaangaag ttaatactnt   540
ggaaaaaaaa aaggggg                                                  557
```

<210> 93
<211> 583
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(583)
<223> n = A,T,C or G

<400> 93
```
acccaggaca ggaggactcc ttcgagagac cagtcccccca tccttgccct cactcggtga    60
ggagatctac ctatgacctc aggtcctcag accaaccagc ccaaggaaca tctcaccaat   120
ttcagatcgg ntcttctcag cttagcggct gaagactgac gctgcccgat tgattgcctg   180
ggaagcctcc tggaccatca cagacgcctt gggtaactct tacagtggag gacaggaatg   240
tcaggccggc ctctgagccc aagcatgcat gtatacatcc agatggcctg aggcaactga   300
agaaccacaa aagaagtgaa natggctagt tcctgcttaa ctgatgacat taccttgtga   360
cattccttct ccgggacagt gagtctccgg agctccccac tgagcacctt gtgaccccg    420
ccctgccgca agagaacaac cccctttaac tgtaattttc caccacctac ccaaatctaa   480
aaaacggccc actcctatct ccctttgctg actccttttt cggactcaag ccaacctgca   540
cccangtgat taaaaaagct ttatttctca ccccaaaaaa aaa                    583
```

<210> 94
<211> 392
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

<400> 94
```
ctctcgtgcc cttctgccct ccaccgtggg atgatatagc aagaagaccc ccaccagatg    60
caaccccttg aacctggact tcccagcctc cagaactatg agccaaatga atttcttttc   120
tttataaatt actcagtctc aggtattctg ttgtagtagc acaaaactaa gacactgccc   180
agtataccag ctacatgtga ctatcaagcc cctgaaatat ggatagtctg aattgaaatg   240
tgcttagcct ggcatggtgg cttacatctg gagtgccagc tccttgggag gctaaagcgc   300
gagggtccct tgagcctagg agctcgagac tgcagtgaac tatgaccaca tcactgnact   360
tcancctngg caacaanaat gaaaccctgt ct                                392
```

<210> 95
<211> 581
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature

23

<222> (1)...(581)
<223> n = A,T,C or G

<400> 95
caccattgaa ggcactagtt attttaccaa ggctttgact ggaatggcat ggtttcagtt   60
ataaacagac tgctttaagg aatcaaagtt gacttacaga gctgataaaa ggcccctaag   120
aaaaactggc ctcacctctt gtcnatatag tccctatata ggtttcctga cctgtgtttt   180
ttgacttgga ctcaataaaa ttgctgctac cttttactg aggccttaca agctaaagct   240
tattccttga gacacagaag ttccagggat tgaatcttga gacaatctgg gtgcctatgg   300
aattatctcc caccagaaga ttacttcaag gcagcagcta atttacaacc tggtcaagcc   360
tgagatggtg tcaacccatt ctcaagatgg gacaataact caagataagt catcaaaaca   420
agccacgtag accagcacca cctttacgc ccccacccac caccacccac ccaccacata   480
tcctccatac caaacttccc cttcttaaac cctagcattt tgcccaagaa tttttgaagc   540
agtttcatta aggcaggagc ctgaccactt cccactggta g   581

<210> 96
<211> 461
<212> DNA
<213> homo sapiens

<400> 96
gttcttcatc tgccaggagc ctgggatatt ggtggtggct gttcaacagc agagacctcc   60
acagccacac acttccatat aacagctaga gagaaggaag ttgttaagaa acccacacca   120
acactgtttg ggtcagattg caaatctgca gcagatagta cactctatga taaataactg   180
cctaccactg ttccagagct gccaagcaaa tggtccattc aacctctctg ctttctgaca   240
ctgaactggt gtgctcaccc tccctttaac tgccacacca agagctgacg tgttttagaa   300
tttccacgtt ctcccatgta gaatgccctt ccaccatcat tctggtcttc acctactcta   360
ttgctgctca gaaacccacc acttcctttt gtacctcaag ccaccttcct catttgatct   420
ctgaaggcca aatacagtag tatatcctag caaaaaaaaa a   461

<210> 97
<211> 548
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(548)
<223> n = A,T,C or G

<400> 97
agacaggaga ggacctggta cagacacaga ggagaaggcc atgtgaaaac agaggcagag   60
actggagtga cgctgccaca agccaaggaa cgcctggaac caccagagga tgacagcggc   120
aaggaaaggt tctcccaaca gagcctcggg agggagtgtg gcccggctga cacctgattt   180
cagacgtctg ccctccagaa ctttgagaga acaaattcct gttgttttaa cccaccaagt   240
ttctggtaat ttattagagc agccctggaa aactaacaga gtttcccatc acatttagcg   300
taaaatccaa gctcctgcag cctctagatc aattcaaagg ctccttctgg cctcagagcc   360
ttcacctggc cattctcttc ctttacagtg ctcatcctca gattctcatc tcacccttca   420
ccactcccat cttccanggc tggcttctat accttactgn agtctctgna caaaaagccc   480
atccctaaga cttttcctga cttcaccaac aaaaagaatc cccttcgncc ctggcattac   540
tttttttt   548

<210> 98
<211> 510
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(510)
<223> n = A,T,C or G

<400> 98

```
agatggggtc tcactttgtc acccaggctg ggctcaaact cttggcttca agcgatcttc    60
tcgccttggt ctcccaaagt gctgggatta caggcttgaa ctactgtact cgactgactt   120
ttcctatccc taatgtcagc atgaagaaca caagaagtca gcttcaaaga taatgaaaaa   180
taaaaccaag attctcttct ttgctgatga agtcaggaag gtggaaaggg caaagcaaga   240
actctcactc ttaccctatg agtaatttca atagaaatca aaggcgttaa cttctcgggt   300
cctcaatttt ttcttctcta aaaagaaaga attgtttaat aaaactcatc caaggctaca   360
atcatcaatg gcagctaaaa ccacttagtg aaagaatttt tttttaataa aaaaaggaca   420
ttggatgatg tctcaactnc caagcacttt gatggtttga cttgggaagt ggngccctca   480
gtcacaccta aaactatctg gcggcagacc                                    510


<210> 99
<211> 457
<212> DNA
<213> homo sapiens

<400> 99
tttcatatat atatattttg agacaagggt ctcactctgt cacccaggct ggagtgcagg    60
gttgtgatca tagctcactg cagcctcaac ctcctggcct caagcgatcc tccagcctta   120
gcctccgaaa gcaatggaat tacaggtgtg agccaccatg cccagctctg gaactcttaa   180
aaactgatga gaaaaggcaa gttaaaaggt cagaggaatt agagtttgtc aagcctctga   240
gcccaagcta agccatcata tcccctgtga cctgcaggta tacattgaga tggcctgaag   300
caactgaaga accacaaaag aagtgaaaat tagccaattc tgcctttact gatgacattc   360
caccatcatg atttgttcct gccccaccct aattaaccag ttgaccttgt gacattcctt   420
ctcctggaca gtgaatctca agagctcccc actgagc                            457


<210> 100
<211> 216
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(216)
<223> n = A,T,C or G

<400> 100
agatgcctac ttcaagctgg ctccttgact cttccacaca cttcgattga ccctcgggaa    60
ctgagtacag gggaaaggcc atcnancctt catnggggatt ttgaaggang gnggaaatac  120
agttttccca gcaccattta ttggagacta tactttcccc tttgcgtcca cttgggcctt   180
ggtcgaaatt tagttgacca tgtatgtttg catttt                             216


<210> 101
<211> 379
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(379)
<223> n = A,T,C or G

<400> 101
agacaggatt tcactatatt gcccaggcag gtctcaaact tctgagatca agtgattctc    60
ccaccttggc ctatcgaagt gctaggatta caagcatcag ccattgcacc tggaaaggag   120
ccccaggcct ctcaaaaagt atgaaagaac tggaattcac cagatcatca catccagaca   180
atgagacacc aggcccctca ttcatcatga tggcttcttt accccctatgg agttcctgtt   240
ttcccttaga tagttacatt tcttccctgc tatataaacc cccaattttta gtcaatcccg   300
aagacggatt tgagcttcaa cttccatctt ccttggctgn agacctgatt aaagccctct   360
tccgtggcag taaaaaaaa                                                 379


<210> 102
<211> 438
<212> DNA
```

25

<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(438)
<223> n = A,T,C or G

<400> 102
cgaaggaaga acctcgtgct ttccccatca cggagagggg gcggagcatc ctctaggagc   60
ttggaagaaa gctgcgccca gccagtcttc ggggaggagc tgcattacac acaggcttcg   120
gaggcttccg tggagaagct tggagccgag ccccagaaag acaggtcaac cacagaagtg   180
ctgagccagg taaagaccct gctggacaag cagctggagt gagaatcaag acagctggac   240
cacaggacca gacccagcag tatccatgtg acagatattc agatacctac atatctcttt   300
aaggattttg gttgatgttt tatgtttaaa aatgacnttt agtttgaaaa aaacgatgaa   360
actttntgaa agatgaatga gaagacctga ataaaaagag agatatacat catgtgccag   420
ggccagaaga attaaaat   438

<210> 103
<211> 402
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G

<400> 103
ctccagaaac atggacaagg agggactttc ctgcctcttg gagatcaaag gggggaatgg   60
nagcanaagc ccnagctttg gggggctact ttcagtggac cagggcttaa agaaggtttt   120
tcaagaatcc tggaattcca gcaaaagaag ctattggcaa cccagtttga aagaaccggc   180
cccccgcct nttcccaaga gggaactgaa tcaagcatga aaatgcagtt tcttcatctc   240
accatcctgt attcttcaac cagtgatccc ccacctcggt cactccaact cccttaaaat   300
acctagacct aaacggctca gacaggcaga tttgaggntt ccccctgtct tncttattcg   360
gcagccttat gatcaaactt cctttctctg ctggaaaaaa aa   402

<210> 104
<211> 518
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(518)
<223> n = A,T,C or G

<400> 104
gtcttcctat tccctggaga cccaacaata ttggaanagg ggccantaan aacccttnca   60
ngggctggaa ttgggccagg tgggaaaaan aaatcgggtg ccttcttcct tttaaatcaa   120
aagctagaaa tggattaaac ttgctggagg gaaggcatg tttgaagctg aaaccagact   180
ggaaagcaag gccttcttgc accaaaaggg cccagttgtt aaagcaaagg gaaaaattat   240
tgaagtaaat taagtgctcc tcttagtaaa ccaccanttg gataagaaag gcaaaacagc   300
cttattgctt ggtacagaga aagtttgagt cgtttgggta gaagatcaaa ccagccacaa   360
catttcctta agcaaaaagc ctaatncaga ngggcctaac ttcttcttca attcttntga   420
agacttaaga agaggctgac ttagaacccc agacagggac ttttgactta agccttcccc   480
gccagaccaa caagcaangg nccttaaaaa tggtggaa   518

<210> 105
<211> 295
<212> DNA
<213> homo sapiens

<220>

<221> misc_feature
<222> (1)...(295)
<223> n = A,T,C or G

<400> 105
ctactgcctt cctcatcaac aaagtgcccc tttctggtgg ncaggttggn acccttttanc   60
tttgggncaa cattctttcc tttangggnt ccataaagct ttttttttgaa acctcttggc   120
atttttttgtt ggaccccttt gtgggagggg cttaaggaaa gtggtggtaa aatgaagctg   180
gggacccaga ggctttcttg aaagcttgtg aaagaaaact gctgggaggg cgcttatcac   240
cacttggtgg tgaccatcaa agaataaaag aagccggagg tggatggggg aaaaa   295

<210> 106
<211> 392
<212> DNA
<213> homo sapiens

<400> 106
taaatcttgc tgctgttcac tctttgggtc cacactgcct ttatgagctg taacactcac   60
catgaaggtc tgcagcttca ctcctgaagc cagcgagacc acaaacccac cgggaggaat   120
gaacagctgc agacgcgcgg ccttaagagc tgtaacactc accaggaagg tccgcagctt   180
cactcctaag ccagcgagac caggaacccc accagaagga aaaaactccg aacacatctg   240
aacatcagaa ggaacaaact ccggacacgc tgcctttgag aactgtgaca ctcaccgtga   300
gggtccgcgg cttcattcct gaagtcagtg agaccaagaa cccaccaatt ccggacatgt   360
ttcctcactt cctttatagc ttatttaaat gt   392

<210> 107
<211> 548
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(548)
<223> n = A,T,C or G

<400> 107
tcttcccatt ctggagtaaa gaggatgttg ctcttgtaag ggctggttgg gaaaggagtc   60
aagaagttgc caggagttaa ngactcaggg aggcatttgg accaggggac ctccaagttc   120
aagttccctt ttacatcagc atattggaca ccaagcagct gggctctcaa gtgagacaga   180
cctgtgtttg aatccaccat ttagtggctg tgtgatcatg tgcaacttac tcaacctctc   240
agagcctcag tttcctcatt aataaagngg agataataat agaacacacc ttacaagaga   300
tgggatcttg ctatgttgcc aggcctcaag tgatccttct tgcctctcaa agngctggga   360
ttataggcgn gagccacagt gcccaggcaa aatcactgng ggggagaagn caattctgct   420
ataattctat gaagaaaatg nggtttcttc ccttcgctga tgagaaaact aggcacacaa   480
gnggngaatc aaacccangg ccatttggtt ntanagcaaa ncaattattc cccaggccac   540
ttaagggg   548

<210> 108
<211> 403
<212> DNA
<213> homo sapiens

<400> 108
tgttcagaga tacaacagcc atcttctgac catgaagaca aaaaccttaa gctaggaaga   60
aaggaggata ctggttcctg gatgaaatcc ttgagcagct gcatcagctt tggattgtct   120
ccgctggact tcacattaca tgagaaggtg tggtgacaca tgcctgtaga gccagctact   180
aggaagatga gggaggagga tcccttgggc ccagaagttc gaggatgcag taagcagtgt   240
gatggtgcca ctgtactcca gcttgggcga gacagcaaga ccacctcttt tgaaaaaaag   300
aaaggaaaca ggcctcagaa gaaaccgaat ctgcctacac attgttttgt acttctagtc   360
cctagaccta tgagaaaata aatttctgtt gtttaaaaaa aaa   403

<210> 109
<211> 173

```
<212> DNA
<213> homo sapiens

<400> 109
gttgaactta catgattggc tttcctggat ctcagacctt cagactcgga atggagttga      60
cctggaacta cactaccagc tctcctgggt ctccagcttg cagacagtag cttgtagggc     120
ttctcagcct tcataatcac ataagcaaat ttcttattct ctatacaaaa aaa            173

<210> 110
<211> 355
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(355)
<223> n = A,T,C or G

<400> 110
tggccgtgct ccaaagtcat ccgttcggtt tctaactgcg atcgatganc nattggntnc      60
atnggngaat ttgaaatcnt tgatgaccac tnngctggna aaattgntnt tgaacctcac     120
angcnggctt ancaanttgt ggggtgatca ntccccanat ttcgacgngc actntnaaag     180
accctgggaa aaaatggcnn aataattntt gcgttcccat tccccgccnn gtttnggttt     240
cattgtgnct tggacnacct tccagcttgg gcatcatggg acccatgaaa gaaagcaccg     300
acccaaaacc ccaccngggn nggngaaaaa tccttgggga attctttttt ttcta          355

<210> 111
<211> 143
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(143)
<223> n = A,T,C or G

<400> 111
tgaggaggcc ggcttncggt ttgganaaga tggctacccc aggcgggctn ggtncctntc      60
tggnntcttt ttctggctaa naatcnctnc ataccancct gagcttggga ccaattgntn     120
nagctcctct cagacctcct acc                                             143

<210> 112
<211> 176
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(176)
<223> n = A,T,C or G

<400> 112
tcatctgact gccatnctan gaaggcattc tcatgaggac catnaatttg gangccntat      60
ntcacgtacn ggattacatg aanatactna agangatggg gtnattcaag ggagccactg     120
gaatnnanag ggnagatccc attccaaaat ttgataaaat ttttcagaga cctttt         176

<210> 113
<211> 538
<212> DNA
<213> homo sapiens

<400> 113
tgctatgaga caaaagacaa gaagattgac aaggatgcga aagaaatttt agagacagca      60
```

```
catctaagca tcatgcaata cttttttcaag caaaagggac atcagatcag acagcacaga          120
ctgtatgcgg cagtacagat tagcatgagg agtcacactg gccccagtca atgccagaaa          180
gtgtgggcca tgtgaagatg tgcctgcttc cccttttgtct tccatcatga ttgtaagttt          240
cctgaggcct cctcagaagc agaagcctgt acagcccaca gaggagtgag ccaattatgc          300
ctctttttctt tataaaattac ccattctcag gaaatgagag aaatgaggta agtcaggcaa          360
cctgcaagaa ctgactgaaa cactggtcat gacagtgagc tacaagaagt gttcatgttg          420
gagccctggc ttctctggct ccctgagagc tgagaatgaa cgatagggca gaagctgaaa          480
aacctgggtc ttcttccgtc agtagtctgg gatagcggca ccaaaggaaa cagaaaaa           538
```

<210> 114
<211> 115
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(115)
<223> n = A,T,C or G

```
<400> 114
tctttggaat ttgatgaggt caaaggcaac caaattcttg aatacgctgg caggaggtat           60
gaanaaagng tgggggncac tgntcagcca gcctaacttg aagatgatgt atgac              115
```

<210> 115
<211> 143
<212> DNA
<213> homo sapiens

```
<400> 115
cttagaagcc ttctgcttga aagcctctac tctcagttgt tacaggtgaa gtcatcaaga           60
gccgggcctg ctacagtgag ccgtgatggc accactgcac cccagccgca gcaacaaagt          120
gagacactat ctcaaaaaaa taa                                                  143
```

<210> 116
<211> 408
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(408)
<223> n = A,T,C or G

```
<400> 116
taaatcttgc tgctgntcac tctttgggtc cacactgcct ttatgagctg naacactcac           60
catgaaggtc tgcagcttna ctcctgaagc cagngagacc acaaacccac cgggaggaat          120
gaacagntgc agacgcgcgg ccttaagagc tgnaacactc accaggaagg tccgcagctt          180
nactcctaag ccagcgagac caggaacccc accagaagga aaaaactccg aacacatctg          240
aacatcagaa ggaacanact ncggacacnc tgcctttgag aactgtgaca ctcaccgtga          300
gggttcgcgg cttcattcct gaagtcagtg ngaccaagaa cccaccaatt ccggacatgt          360
ttcctcactt cctttatagc ttatttaaat gngactttct cgaggttg                       408
```

<210> 117
<211> 318
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(318)
<223> n = A,T,C or G

<400> 117

```
gtcgctggct ggaaggttgg aatatgccct anatgctgga gcagcgaggt gcgaacgcgg      60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta     120
ccacgcctgg ctaatatttg tattttttgt agagacgagg cttcaccatg ttgcccaggc     180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat     240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagccc taacagaaaa     300
gggtaaaacg gaattaaa                                                    318
```

<210> 118
<211> 291
<212> DNA
<213> homo sapiens

<400> 118
```
gtcgctggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg      60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta     120
ccacgcctgg ctaatatttg tattttttgt agagacgagg cttcaccatg ttgcccaggc     180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat     240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagccc c             291
```

<210> 119
<211> 409
<212> DNA
<213> homo sapiens

<400> 119
```
gtagagtcag tgtgattgtg tatttgcccc aatgacggag catggatgct ggacaatgga      60
aaggcagaag agcgatcaaa aagcttgcgc acatgtgatt caaggcctaa gcccatggaa     120
atccactgtt gctttcactc ttaggatggc aatgcccatc tgcaatgttc tcggagtaca     180
ctcctccaca gcagaatttg tgactagtaa attcagcaac ttgacctagt ttcagtaaac     240
ggggtagggg ctatactaga gatcacccaa gaagattttc aaggcatttt gccatactga     300
gagagctgag aagcagctcc tcctagcagt cctgttacag aaaggaaatg ttgattgaga     360
aatagcctca gtatttggtc aagttgccac tgacacaata cagctggag               409
```

<210> 120
<211> 115
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(115)
<223> n = A,T,C or G

<400> 120
```
aaagcttgcg cacatgttga ttcanggcct aagcccatcg gaaatncact gntgctttcn      60
ctcntaggat ggcaatgccc atctgcaant gatnctcgga gtacactcct ccaca          115
```

<210> 121
<211> 206
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(206)
<223> n = A,T,C or G

<400> 121
```
gctacacaag ggattcagtc cgtcttaggt tcngctaatg acaactcttc ttgaagttct      60
tcaaggccgt gtgaaaagga aaagccagcc gggcacagtg gctcacgcct gtaatcccan     120
cactttggga ggctgaggcg ggcggatcac ctgaggtcag gagtgcgaga ccagcctggc     180
caatgtgtct ctactaaaaa tacaaa                                          206
```

<210> 122
<211> 298
<212> DNA
<213> homo sapiens

<400> 122
```
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg      60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta     120
ccacgcctgg ctaatatttg tattttttgt agagacgagg cttcaccatg ttacccaggc     180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat     240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaaaaaaa       298
```

<210> 123
<211> 399
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 123
```
gagaaaacga atacacgcag ggatgacttc caccagctcc actttgcagc tctgaggtgt      60
actaaaaatg acctggaaga agtcatgcca cgggccagac cttaacattc ctttcggctt     120
accccaggat ttcagacaaa gcttcacttt cctaaccagt cacaaatcag agaatttttg     180
attccaccta tgacctgtga gctcctgctt caagatattc cacctttttt aggccaaacc     240
aatgtataac ctccaagtgt cgatttacac tttcgactgt aacttctgct ttcctgagat     300
ttacccctgc ctttaaaaac ccttgcttgt aatccctcag ggaggccgng tatttattaa     360
tcatgagctg cccaattctc cttgcttggg atgggttct                            399
```

<210> 124
<211> 278
<212> DNA
<213> homo sapiens

<400> 124
```
cctgcattag cgactgaggt agcatcattg actggacttg cttcattact atggctttgc      60
agaatggatc aacctcaggt agccctatta caaaagggaa ctgactcagc tcaagagaaa     120
agcttcaact ccctatgatt tcatctttga cccgaccaac cagagctcct gactcaccca     180
cccactaccc accaaattat ccttaagaac tctgatccct gaatgctcgg gaaattcatt     240
tgagtaaaaa taaaactcca gtctcctgta aaaaaaaa                             278
```

<210> 125
<211> 328
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G

<400> 125
```
actgagctac tgccttcntc atcaacaaag tgcccctttc tgttaacgnt gttgtaccct      60
gctctgaacc ctaaaagctg ggaattganc caaggccncg gggctcanct gangantctg     120
ggcntntgtg aaccccanca tcctagaggt gtatctggna acataccaag gaaaagagtc     180
tcatcacatg cggcagccaa agagccacaa aatcagctta naagcanctt agaggcgtgt     240
ggtgggtgga tctntagagg tctcctgatg ctgcccgaaa atgtnctgtt ngctgaatcc     300
taataaactc tatctactcc tcataaaa                                        328
```

<210> 126
<211> 138
```

31

<212> DNA
<213> homo sapiens

<400> 126
aagccttctg cttgaaagcc tccactctca gttgttacaa ggtgaagtca tcaagagccg    60
ggcctgctac agtgagccgt gatggcacca ctgcacccca gccgcagcaa caaagtgaga   120
cactatctca aaaaaaaa                                                   138


<210> 127
<211> 289
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(289)
<223> n = A,T,C or G

<400> 127
aactgaggag accctnaact gcntcggagn gnnngaagtg tatctggctn acgctctgnn    60
nngtntnaac gctgncgtag caaaggacag ccaatagcca acagaaagct gatgccctca   120
gtccaacagc ctgcaagaaa ctgaattctg ccagcaacca tgtgagattg gaagcagatt   180
cttccgtgca gtcttgtgag agattatgaa gcaaaggact caagttgtgc ccagattcct   240
gacccacaga taccgtgtga taataaatgc atattgtctt aaaaaaaaa                289


<210> 128
<211> 307
<212> DNA
<213> homo sapiens

<400> 128
agacagggtc tcactatgtt gcccaggcca gtctcaaaat cctgcctcaa gcagtcctcc    60
tgccttggcc ttccaaaatg ctcggattat aggcaagagt gtctggcata ctatatgcta   120
atccaacagg actgtggtct tataagaaga ggaagactct ctctccacca tgagaagaca   180
caatgagaag gctgccatct gcaagccaga aggagagccc tcgctgggag gtcagccatg   240
ctggcaccct gatctcagac ttccggcctc cagagttgga agaaaataaa ccgtctgttg   300
tttataa                                                              307


<210> 129
<211> 470
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(470)
<223> n = A,T,C or G

<400> 129
gaccccactg gaaattggac agtccaactg gcccaaggct ctgactgact ccttcccaga    60
tcttttcggc ttagcggctg aagactgacg ctgcccgatc acctcggaag cctcctggac   120
tatcacagac gctttgggta actcttacag tggaggaaga caagaatgtc aggcctctga   180
gcccaagcta agccatcata tcccctgtga tctgcaccta cacattcaga tggcctgaag   240
taagtgaaga tccacaaaag aagtgaaaat agccttaact gatggcattc caccattgng   300
atttgtttct gcctcaccct aactgatcaa tgnactttga aatctccgca cccttaaaaa   360
aggtcttttg naattttncc cnncctttga aaatgtcntt tggganaatc ccccctntgg   420
cccccaaaac attggttttt aactccactg gctatcccaa aacctataga                470


<210> 130
<211> 356
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(356)
<223> n = A,T,C or G

<400> 130
gaactgagat ggagttttgc tcttgttgct caggctggga gtgcaggtgg acagggctcn      60
agcttactgg attcttctgg gnctagaaca caaattctgc ttctatacct tgntaagacc     120
ctgcacttga tggatcaact ggcaccaccc ggattaataa actggctcat ctgatcatgg     180
tggcccccaa cccaggaact gactcagcac aagacagctt caactccctg ngatttcatc     240
tttgtcaaat caacactgnt ggctcactgg cttcccccac ccaccaagtt atccttaaaa     300
actctgctct ggaatgccag ggagactgat ttgagtacaa taaaactcca tctcct        356

<210> 131
<211> 434
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(434)
<223> n = A,T,C or G

<400> 131
aaaacgaata cggcagggat gacttncacc anctncactt tgcagctctg anggnggatt      60
aaaaatgacc tgggaagaaa ntcatgccac ggggccnnac cttaacattc ctttcggctt     120
accccaggat ttcaagacaa aagctttact tttctaacca gtccaaatca aagaattttt     180
gattccacct atgacctgng agctcctgct tcaagaaatt ccaccttttt taggccaaac     240
caatgtataa cctccaagtg ncgatttaca ctttcgactg gaacttctgc tttcctgaga     300
attacccctg cctttaaaaa cccttgcttg taatccctca gggaggccgc gtatttatta     360
atcatgagct ggccaattct ccttgcttgg ngccctgcaa ataaacaccc tcttttntcc     420
actgcaaaaa aaaa                                                       434

<210> 132
<211> 233
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(233)
<223> n = A,T,C or G

<400> 132
atgtatagag gtcctaacca aattccctac acaagggatt cagtccgtct tangttctgc      60
taatgacaac tcttcttgaa gttcttnaag gnccgtgcga aaaggaaaaa ccagccgggc     120
acaagtggct cacgcctgta atcccagcac tttgggaggc tgaggcgggc ggatcacctg     180
aggtcaggag tgcgagacca gcctggccaa tgtgtctcta ctaaaaatac aaa           233

<210> 133
<211> 635
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(635)
<223> n = A,T,C or G

<400> 133
aaaagccaga cttcgaagcc taattttcag gggctcacat cacttctgtt cctgtgtcgt      60
gggaccatcc agcagcagca cataattgaa agtcatctga ctcacaggat tgggagtgaa     120
cctggcaggc cctggaacag atcttcactg actggcatgt gtggtttcag tctagtccct     180

33

```
gctgctcacc gcacagaaag ccaatcacgg agatgatgag tattgccaag gaagaaggct      240
ttaatttggt gctgcagctg aggagatgac aggaagaaga caccgtggga tcagcttgat      300
gtccttacat gtgcactagt tcatcctgct gtgacacata ctctggatgt gctaatgcag      360
tattggattg cattccccat gggctgctgg aggaactaag ggtgcaacct ggaagtacag      420
gggaagtaat gtcctgtaag gaatattcca agggagaagg gagccagccc ataaattctc      480
ctccctttct ttcttggcaa ttcagcataa tcaatcccta tgcttgtcac aaagctgtac      540
catgccttgg gacatttgct tnccttggct ttnctctcat ttttgcttnc caagaattta      600
atactcaatt aaaacattaa cactgtaaaa aaaaa                                  635
```

<210> 134
<211> 158
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(158)
<223> n = A,T,C or G

<400> 134
```
attacggcta tttttatnag actgaagtcc taacntagcg aagcccattg cgtcataggg       60
tgacctcctt nccaaggagc ggctgtnctg nncncnttgt ccatgttcna ggncatcctg      120
acccncnttc ggngctacct gcaaagaccg ccatctgt                              158
```

<210> 135
<211> 244
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(244)
<223> n = A,T,C or G

<400> 135
```
cttcttctgc tgccaaagcg acggctgcac agtgcttttt gctgttccct tgaccaatct       60
tactgagaat ggnctgatgt ggccccgctg caatgagagc ntnaagggac aaatgcaatg      120
ggggcccatg aacccactgt actggaaaag gaaaaaccac tgnngtttnc ttattttgga      180
acacgttgca nngctggtat tttttnaaaa cccnacattt gnttttgccg gggcttgtgc      240
ctac                                                                   244
```

<210> 136
<211> 369
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(369)
<223> n = A,T,C or G

<400> 136
```
gaagagcgat caaaaagctt gcgcacatgt gaaagactgg ggctactggg aaaatagcct       60
actgcccccg cctccaaatc acagatgctg ttactttatg ctgctagagg tgaaaggttc      120
cccagctgat cacaggaaaa tggaatgcaa gaccaagaga agatgaaatg aaaagaaccg      180
gtggacctat gtggtcaaat agacataaaa ggcaacacan aattctagat actggtcatc      240
tcccctagt ggagcttcct gccaatcttc catttcttct tcacagagaa aactacaaag       300
acagtgccca taacatctgt tatggaccaa agntactcca gctgccctgg cagcttcctt      360
aaaaaaaaa                                                              369
```

<210> 137
<211> 153
<212> DNA

34

<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(153)
<223> n = A,T,C or G

<400> 137
acccaccatg ttacaagaaa angggtgagg gnattttggg nttcnccggg acnangaaaa   60
cccccttaaa aattggggggg gacccgnggg gacaaaaang acatttttgc tattggctcc   120
ctgaanggac natnacttgg ggcttgtaag ctg   153

<210> 138
<211> 175
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(175)
<223> n = A,T,C or G

<400> 138
actatcctgc ttaatacaat nagtggcaan gacngtgaag aacatgcntn ctttcgtgga   60
tnntgnantn ttctgtctnt cgagttggng actggaccna tacaatgnac tggncccaaa   120
gggagcttta atgcaccaat ggaagaccct aatttaatcc ccttcatctc caaca   175

<210> 139
<211> 452
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(452)
<223> n = A,T,C or G

<400> 139
tccacagccc tgtgaccaaa agactgggag tgtatgtcag gcctctgaga ccatgccaag   60
ccatcgcatc ccccgtgact tgcacgtata cgcccagatg gcctgaagta actgaagaat   120
cacaaaataa gtgaatatgc cctgccccac cttaactgat gacactccac cacaaaagaa   180
gtgtaaatgg ccggtccttg ccttaactga tgacattatc ttgtgagagt ccttttcctg   240
gctcatcctg gctcaaaaag cacccccact gagcatcttg cgaccccccac tcctgcccgc   300
cagagaacaa accccctttg actgnaattt tcctttacct acccnaattc tataaaaaag   360
gttccnccct tatctccctt cgntgactct tttttcggac gcagcccgcg tgccccaggt   420
gaaataaaca gccatgttgc tcacaaaaaa aa   452

<210> 140
<211> 319
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(319)
<223> n = A,T,C or G

<400> 140
gtacctgctt agcacactga gcattgaant gggatgggga naaggcctga ngaaaatnac   60
tgaggaancc tcttagccta tgtgctctna tattactgng gcctagcggn ncnttangac   120
cgcttaaant atcctaagac aatgnatgtc gaacaggcac ttttnaagaa gaanacatac   180
aatgcacgcc aacaatcaan tgaaaaaaag ctctacatta ctgatcatta naggaaatgc   240
naatcaaanc cacatcaatc tggtgtgtat ctgcaaatgg ccnatnggaa aggaagtgct   300

35

```
tacatatgca tattctgaa
```

<210> 141
<211> 304
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(304)
<223> n = A,T,C or G

<400> 141
```
attgaggcct atctgnnagt tgattgatgt acatgcaaag cacaccagac tccgtacttg    60
atggatcagc tgacaccacc cagaccagta tctggctcaa ccagttctgc catcccaccc   120
aggaacagaa aacagcaaga aaaactcact tcgaccctct atgactccat ctccaacttg   180
accaatcagc actccccact tcccaagccc ctacccgcca aattatctta aaaactctga   240
tccccaaatg ttcggggaga caaagctgag taataataaa attccagtct cctgcaaaaa   300
aaaa                                                               304
```

<210> 142
<211> 449
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(449)
<223> n = A,T,C or G

<400> 142
```
ggagaggaga gcaagacggc tcaatagaag cctccactaa ttgtcctccc cactggaaca    60
ccaaattgaa caactatcca cacaaagaag caccttcgta agaaccaaaa atcaggtgcc   120
agacagaaag tcatctctct gctcaactga gacaaatgca gattcattga gccagactaa   180
ggcataagtg actattcctc tatgttcccc aacatgtaaa ttgtggattc agtgaaaggc   240
tgattgaaga gtcagaagaa tgtaactttt tgtctnttat ntacctggaa ccacacctta   300
tctacctgga actgtnccct ncccggcccc ccaatgctgc cctgttttga gttggcctgc   360
ctttctggac caaatnaatg cncatcttan acatattgat gggntgantn atatgtncct   420
aanaaaaatt tctatgtgaa ctttcaggg                                    449
```

<210> 143
<211> 585
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(585)
<223> n = A,T,C or G

<400> 143
```
aaatcaaaag tggaagcaga aaattgagca atcaagccta ccaagtcaag tggggcaaca    60
gactacgctc acggattctg ctcacaacag cgggaataac agaccaaaag aagaactgca   120
gagcatccct ctctcccccg ttcactcgtg ccacgagcac gtgagtgcat ccacaggcag   180
cacccagtct cctgttccac tgactccagc gtccactcac tgcgagccta ctaagtggcc   240
acatgtgcta tgatgctgtc tcatctcgtc accatagaca tctctgctgg agttccaccc   300
acgttgctga gaataacagg acttcatcct gtgttacggc tgaatagtac tccactgtgt   360
ataaagacca cattttctct atccatcatg tgctgctgga caccgaggct gattccatat   420
cttggctacg gngaacaagc gctgcaggaa acacagaaaa acgtctgttc gggtgggtgt   480
ggngactnca acctgtaagc ccaagtactc aaaacgctta agaaacaaga ctgnttgagc   540
ctaaaccaac ccangcaaca gaacaaaanc ccatctaaaa aaaaa                   585
```

<210> 144

<211> 456
<212> DNA
<213> homo sapiens

<400> 144
```
atgagctgaa actgaagcca ccagacaagg tgctttctac tatttccttc cctttctcca      60
ggcagaggag tctcttctca ggtccaccac caccacagtc ctacagggag tacagccaag     120
agatggattt tctccatgtt acccagtctg gtctcaaact catgggctca aggtgtccac     180
ctgcttcagc ctcccaaagt gctggaatta caggtgtgag tgaccacacc tggccaagaa     240
taatatttta tagaagcctg gctaatacaa ggaatgctaa gtctctagat caccatgaaa     300
atgtactagg agaaataaag gacagaagaa tgtagttata atgggtaata ccagtcgcag     360
aagtgaaaag caattacaac ttggctgctt ttcgcttgta gtcccagcta ctcaggaggc     420
tgaggcagga gaatggcatg aacccggagg gtggag                              456
```

<210> 145
<211> 423
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

<400> 145
```
gtgaccctgc agcctgtgag accatcttgg cccttgtcag ggcagccatt tgccattgca      60
gatgaagggt gggggagagg ccagagactc cttcagactg tgttggaaat gtcatgaaaa     120
tggaaattct cacaacctga gagtcataga cctggatttg ggtttctgct gtgtcattaa     180
gttcttgcaa accagcacca ccgatggctc tcatggtcct gtgaccacat cattagtatt     240
ctacacctgg ctccactcac aacccagctg ttggcaggca aaggagtcct cctttatggg     300
aaggagatga tgcaagagaa catcaccaaa ggccccagga catgactggt gtctgataag     360
ggaggaaaag gcttggaggc cctgcgtcag gcgaattcac tgntganctg accgggcctt     420
aac                                                                  423
```

<210> 146
<211> 570
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(570)
<223> n = A,T,C or G

<400> 146
```
gatatatgat tgtgtggcct gacaatctca gaaagtaaaa gcaaagaaat tgaaagacat      60
ggaaagaact aggccgggac cagcactggg ccttaataac cagttcactg agatgatgga     120
gtttcgctct tgttgcccag gctggagtgc aacggctcac ctcaacctcc acctcccagg     180
ttcaagcaat tctcctgcct cagcctccca tagctgggat tacaggcatg ctccaccacg     240
cccagctaat tttttttttgt aatttttagta gagacgggat ttctccatgt tggtcaggct     300
ggtctcaggt gatccaccca ccttggcctc ccaaagtgct gggattacag gtgtgagcta     360
ccatgtccga catgctattc tttttataat gagngagttc tcacgatatt cgatagtttt     420
ataaggggct tttnccctt ttgctcaaca cttctccttg ctgccaccat gtatttgctt     480
nccttncac cacaattttg aanntttctg angnctncca actctgggga actggagcaa     540
ttaaanctct nctttataaa ttaaaaaaaa                                     570
```

<210> 147
<211> 433
<212> DNA
<213> homo sapiens

<400> 147
```
atctcaggca cagtggcatc cttcaccatg tggaagttga cactggcttc taccacacag      60
```

37

```
tgtggttctg gagagagtca agatgaagtc ctgttgatag aagaactgtg tttattctga    120
agctctcgct cccacccccag ggaaagccga aggaggagct tgacaagcta aaggtttcct    180
tttagacaaa gtattggaag ttatgaaatg tccttgttat agatgagagc aactgaccag    240
atctgccaca cacaggaatg cctcccattg ctctccaggc atcagaagat gatccactgg    300
gctgcaaatt atggaggaaa aatccattaa tttatgaagg ttttgaaata tccaacacta    360
aagttgaagt tcttgaagcc tgccagtata aacaatttta cataaagctc tgtttacttc    420
tattcagaag cag                                                       433
```

<210> 148
<211> 465
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

```
<400> 148
agatggagtc tcactatgtt gcccangctg gtcttcaact cccgggctca agagatctgc     60
ccacctnggc cttccaaagt tctgggatta caggcacgag ccacagcatc tggccaaatg    120
tggcattgaa attggggggtt tcacagatgc cctgaagctt ctccctgccc tcgctttcag    180
aaaattcata gatctctaaa ttaaagttta ctggccaagg aggncaagta tgcaaattaa    240
aataatggct ttgcctctga aaagtatgat ttatctggna ccttaattct acttgatggg    300
tatttataag ngnctacaac atagccataa gaatgcttcc nnaggacgat cangaataaa    360
ttaaccntaa ctttacattt atatttttat ntngacacag gtaaatgtgg ctgttaaccc    420
ccatagcaat aagacacctc ttggacttct gaaacagaaa tcctg                    465
```

<210> 149
<211> 119
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(119)
<223> n = A,T,C or G

```
<400> 149
atgcggtaac acatagaaaa ggcacggaga anttaagtga ttngcctgtg gncactntgg     60
ganacnagca acaacaacat aaaacccaca cagttgttat gatggggttt ttttttttgt    119
```

<210> 150
<211> 411
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(411)
<223> n = A,T,C or G

```
<400> 150
gagttatgtt ctgtgaagaa gccataaaca ctgaattagt gaatagtgaa ccgttttttcc     60
tagggggaaat acaggagtt atgttctgtg aagaagccat aaacactgaa ttagtgaata    120
gtgaaccgtt tttcctaggg gaaatacaag tagagatgaa gtttcaccat gttggccagg    180
ctggtcttga actcctgacc tcgtgatcta cctgccttgg cctcccaaag tgctggaatt    240
acaggcatga gccactgcac ctggctgctt ttgcccctttt tgcttggctt ctccttgctg    300
ccaccatgtg aagaaggacc gtgtttgctt cccctttcac catgantgga agnttncctg    360
aggtttcccc agccatgctg aactgggagt caattaaatc tctttcccttt g            411
```

<210> 151
<211> 592
```

38

<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(592)
<223> n = A,T,C or G

<400> 151
```
aatattaaaa agatgtgaac ccgagggact gagattttta ttgcttcatc aaggacattc      60
ttaagtgaaa ctcctatttt ttctgcaaga acaaaaagag agtcggctgt tgttgcccag     120
gctgttctcg aaatcttggc ctcaagtgat cctcccacct catctccaaa gggctgggat     180
tacaggcatg agccactgta cccggccagt acagtcactt ctctctaatg cttgttttga     240
aaatacaaat ttgttctaat gcaattgatt ttaaaaggga acaatttgag cataacacaa     300
atttcatgtt tatttagtgt gtttcctctg aaagaaacag taactgaaga ctcccaggtg     360
aaccaagcca tgcaacaaca aacaaaacac acctgtgcac acactttaaa acatccagca     420
accatctcag ttcactgctg tgttgnaagc cacacccatt gatacctggt gttaacagcc     480
ttcctgggag tcccatagct ttgctcccac cttttcacaa gtaactcaca agctggagcc     540
ctctaaagcc ctcattccaa ataaacttca ggctttttaa gtcaaaaaaa aa             592
```

<210> 152
<211> 597
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(597)
<223> n = A,T,C or G

<400> 152
```
cttgagacag ggtctcacta tggcgtatgt catccaggct ggtctcaaac tcctggcttc      60
aagcaatcct cctgccttgg cctcccaaag tgctgggatt ggacttcatt tctcttaagc     120
agtgctccaa aaatattatt tcttgtaaaa tgtgctttcg acaagatttg cagagcagat     180
tgtgaacaca gtgccagaca ttttctgttg ccaattaggg aaagatccat atgtttcaac     240
catcaaaagg atagggtagt gctatggttt gaatatttgt cccctccaaa acccatgttg     300
aaatttaacc ttcaatatgg cagtattgag aggtggggca tttaagtggt gattgggtca     360
gagggcacag agctgattca tgaattaata cattaatggg ttaatggatt aatgggttat     420
catggcagtg gggagtggtg gctttataag aagaggaaga gagacccgag ctagcatgct     480
caccccctcg ccatgtgatg tcttgaacca cctcaaaact ctgcagaagt ctacccacaa     540
gaaacctctc accagatgtg acccctcccc ntgaacttct caactttcct tacgtgg        597
```

<210> 153
<211> 440
<212> DNA
<213> homo sapiens

<400> 153
```
gagtgacgga gtgccaagta gaataagctg gagagaaatc tcaacacgga aaacctcctc      60
caggaaaaat gaaaaggaa acagaaggag gggagcaggc ccctgtgcaa aatggagagg     120
aaattcgccc tttgtgaggg agtgaaggtc aggagtctga aggaaataat agacagtgtc     180
caggatttta ggggaggtgt agtcttatca ataacattca catgataaat gcggataaag     240
atgatatgga atggttcatg gaggagatga gagagttaag gcaaaaactc aggggatttta     300
agttaaggta tagtccatgg ccttaatggg gaccacctca ttcattatca ccattatgat     360
gccttatacc ttgaaaatag aagtttctc tgaggttaat acttctcaac tctgctttct     420
gggttttttt tttttttgcc                                                  440
```

<210> 154
<211> 144
<212> DNA
<213> homo sapiens

<220>

<221> misc_feature
<222> (1)...(144)
<223> n = A,T,C or G

<400> 154
ggtgaaataa aggaaagcag tcggccatgt ntgtcntgag gacatttcag naaccccatg   60
tgggtanncg atccaagatn ngccntgctc cantanctca nctgacaaaa anctggagnc   120
acctatctgg ttgtagaact ctat   144

<210> 155
<211> 444
<212> DNA
<213> homo sapiens

<400> 155
aattctgccc caacactatc tggggagccc ccccagatgc tccagggaga ctgtgaagac   60
cctcaggctc cccgacgcct cgtgtgctcc ttctgtcagg gtgtttgaac cagagcaacg   120
ccatcttgaa tagggctgg gtaaagtaag gctgagacct actgggctgc attcccagac   180
gattaaggca ttctgagtca caggatgaca caggaggtcg gcacaagata caggccataa   240
agaccttgct gataaaacag gttgcagtaa agaagccggt caaaacccac caaaaccaag   300
atggcgacga gagtgacctc tggtcgtccc cactgctacg ctcccaccag caccatgaca   360
ggttacagat gccatgacaa tgacagaaag ttaccctcta ggatttaaaa gggggaggca   420
tgaataactc cacccttgt ttgg   444

<210> 156
<211> 456
<212> DNA
<213> homo sapiens

<400> 156
aaacctcctg ccaacctgtg cacaacattg tgcaattgca gaacggcact tcactggaag   60
tcagggaaac acttgcaatc aagtccaggc tctgtaacaa gttaagtgaa tccaaaacct   120
ttacagctga acacataaaa ttattcaaaa gctctaacga ggtgagaagc aaccaaactt   180
gattttcatc tctgggaaac cctatattag cactgtaacc cacaaggccc tcttccactt   240
ccaaactcct ctggcattca ctagccacac cttcatttgg cacccaagag tgttagttac   300
cgttttatag gtaacccccc aactaagttg taagccccta aagggtatac ataggcatg   360
tctcactctt ttctatacat cctaaaattc ttagaatttt gctaagcatt tgcagatgct   420
aaataaatgt atcttgactg tttgtttaaa aaaaaa   456

<210> 157
<211> 349
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(349)
<223> n = A,T,C or G

<400> 157
tcatcacttt aaggggatgg gctggactgc cctgnggagc tggtactcag agnactatnn   60
ggactacnta atgaacacat tcccttaatg agtcaagttc agcctggtta agtccnanct   120
naaacggcct ntncttttgn tgtttancnt ggggaaata cttgataagn cannctntga   180
nnnttcatcc ccaaattttc ccaanaaaaa atntgnttta aattaacgga tatgaaactg   240
attaanaact gtacctacag tggacaaaaa ggtttaaagc ttacagatta cagggaaaat   300
gntataaata ntcgtgctaa antgttattn annaaagttc ccttgtcta   349

<210> 158
<211> 483
<212> DNA
<213> homo sapiens

<400> 158

```
ctgaatatgg aggactctga ggcccagcct ggtagaacaa caatgtagaa aaagcataga    60
tgccctaaat catcaagcgg atgaaggatg ccaatcaaga actctcacac tggggttttt   120
catgagcaag aaacaaactt tcctattttt cagtctcttt aattttttcc ttagaacagc   180
tagtattatc ctaaataatg ctagcagagc aatacaaatc tcacataaaa actacctttt   240
gcatacaagt ccacatgcta cttcctagtc tcactgtttg aagtatattt acctacctta   300
tgtggttcgt cggcccattg tgctataaac ttgattgatc aacatgctac tctcagattg   360
taattaatta acaaatccac acaaaaagtt gtaaaggtga catggggatg aatacggaag   420
ggagaggagg acttgaggcc tgcaggtctc aaaaatctct agctaatatt cgagaaaaag   480
aaa                                                                483
```

<210> 159
<211> 633
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(633)
<223> n = A,T,C or G

```
<400> 159
gacaagctac caggtctcca ggactgaagg ttatcatcta agttggtgtt ctcaactgga    60
ggcgatttac ccccacccca ggagacagtt ggcaatgtct ggaggaaatc tcttgccgga   120
agccgtgcca cagagcacac aggcagtttg cagagaagga tgcaacccac accatgtccg   180
aagcgggctc tggggaaggc aaggggccag ctgaagctac ccgtacacat cgttttacaa   240
gccctgggct gtcaatgggt ctttttaaaac cagctgaact gcgtttttgct tttcagtgtg   300
taagctggtc agcttacagc agtacaaatt ggcagcgtgg caagaaagaa aactgaaatt   360
caatccaaca ctgggattgg aagctcttga gactcaaatg tcaccaacac cggggcttc   420
tcctctaatt atcctgtcaa acgagggttg aaaatgtcag cacagacttc agtctcagct   480
cctccagcaa ccaatgagag tgggcttggg tctggtttaa atgatgaaga acaaatttga   540
aaaacccttc agttgatttc aagacttnct gggaccgggg atgtttaaac cacaatgttc   600
ttnttttggg gcaaagtaaa aacccatcac cag                                633
```

<210> 160
<211> 288
<212> DNA
<213> homo sapiens

```
<400> 160
gtcttcctta atatatgtca gcagtggagt ggtgtgctta aggagagaga gacttggaaa    60
aatacagacc gagaacaagg ccatgtggag atagaggcag agactgaagt tgtaccaccg   120
aaggcaaaga atatcaagta ttatcagtaa ccacaggaag ctggaagagg ccaggaaagg   180
tttttcttag agaccttgga aggagcctga ccctggaaca ccttgatttt agacttctga   240
ccctcaaaat tgtgaaagaa taaatttctg ttgtttttaag caaaaaaa               288
```

<210> 161
<211> 620
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(620)
<223> n = A,T,C or G

```
<400> 161
gacaaaatca acagcaaatt tagataccat caagacacct gaaacctcat catgagccag    60
atgccaagga agagattccg ggaggatccc aaagaccccc tggttgcagc catgtcaagg   120
ctgatgctga ggaggaccgc aactgtcaca agcaacacct gttgaacaca gccacccacc   180
tggggacaga tcaagaagct gtcacagatg atggaagaaa acctgaggaa agcgagacaa   240
ccagtcacat ctgcagatgt ggatcctgac tcctgggaga agtagctcac cgtgacaaaa   300
ctgcctttgc ttttattgat ttgcaaatca agaaggggg acatgttggg aacaagcccc   360
cccccaaaa atctgggcat aaactggccc caaactggc cataaacaaa atatctgcag   420
```

41

```
cactgtggca tgttcacgat ggccataatg cccacgctgg aaggnggnga gcttaccaga     480
atgagggcaa ggaacacctg gcccgcccan ggcggaaacc cacttaaagg cattcttaac     540
cctagcatga naaatctggg ncttaaaaca tgctcctggc tgagttaact agcccaacct     600
atttctttaa tttgggccat                                                 620


<210> 162
<211> 448
<212> DNA
<213> homo sapiens

<400> 162
gtggggtctt tcaagaacga tccacctatg acctcaggtc ctcagactga ccagcccaag      60
aaacatctca ccaatttcaa atccggtctc ctggagtcac aaagcctgga gcaacaggag     120
aaccactaca gaagaaacag ctagttcctg ccataacgga ttaaccgacc ttgaaacgtt     180
ccaccattgt gatatgttcc tgccctaccc taactaatca atctaccttg tgatatcgtg     240
ccttgtggcc tccccccacc tggtgactat gcaccttgtg actttcttcc cctgcccgaa     300
aagctgcccc taactgtaac ttttcactac ctacccccaa acctttaaaa ccagttccac     360
tcccaccacc ctttactgac tgcctttccg gactcagccc acttgcacct gagtgaataa     420
acagccttat tgctcacaaa aaaaaacc                                        448


<210> 163
<211> 413
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(413)
<223> n = A,T,C or G


<400> 163
gagttcagtg gcatgaccag ggctcactgc aaccttgatc tgggctcaag tgatcctcct      60
acctcagctt cctgagtagc taggaccaca ggtgtgcacc aaccacaccc gactaatttt     120
tgtagagatg agatcccact atgttaccca ggctggtctt gaactcctgg gctcaggtga     180
tcatcctgcc ttggcttccc aaagtactgg gattataggc ttgagccacc gtgcctggcc     240
tgtgatcaga attctcattt ttttagtcac taaaaatgct gggggcact ccattnttcc      300
attatgtgat taagttcaca ttgcatgctt gtatcaaaac atcatatata ccccacaaat     360
atatacaaaa aactttaaaa ttttaagtat taattgctca ggaaaaaatt aaa           413


<210> 164
<211> 479
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(479)
<223> n = A,T,C or G


<400> 164
caacatggat gaagctggag gccattatcc taagttnaat aaccaggaaa cagaaagtca      60
aatatcactt gttcttgctc agaagtgggg gctaagcaac ggaagcctag ctctgagagc     120
ccatctggaa tgctgcctcc tggaatggga cactactgtt taatcaaact gatccattcc     180
tgggatgaga gactgattca agaagatatg ggtcaacata tttaaatttg ttcttttcta     240
cttatctcaa tttgtttttc cctcctttgt gtctgttatc tcgcaacctt taactcaaat     300
ctttctgaag gtatcaagtg ggctttaaaa atgtaaaact ttctgaaaga aattttcaag     360
ggggatagaa taaaggaaac caaaatattt tatgtcctaa tatatttgtt tgactatttt     420
gagatgcttc tcagagggcc tgaaaacaga agtagtcctg aaaagactgt cttttgtca     479


<210> 165
<211> 501
<212> DNA
<213> homo sapiens
```

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

<400> 165
aggctgtacc gttgtacaca ctcaccagtg gtacatgagg attccaattt ccccaaatcc   60
ttgccaacat ggtgttttct gcattcttaa ttatcattgc catcctagct acacaagaat   120
gatgctgacg tcacctggct tcggggaggc ctctggaagc ttacaatcat ggtggaagga   180
gaagtgcaag caggccaaag gagaggcaag agaaggaaac tgccacacac gtttaaatga   240
ccagatctca caagaactca gttacgattg cgaggcagta ccaaggggag ggcgctaagc   300
cattcatgag aaatccaccc ccatgatcca gtcacctccc accaggcccc acagccaata   360
ttgcgcatca catttcaaca tgagatttag gcaggacac acatccaaac tatgtcatat   420
agcaacaata cattgtgtga agacttctat gtgccccccc cgntcataag ngtgggggga   480
tttaanaaac acaggccttt a   501

<210> 166
<211> 431
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

<400> 166
ataaagaagc taagccttag agaagttaac tgacctactg angatcacag aacaaggtct   60
cactatgttg cccacgctgg tcttgaactt ctggctcaag cgatcctcct gcctcagcct   120
cccaaagtac caggattaca gatgtgagcc accatgcctg gctgtttctc actttcttaa   180
taaattactn gcaaacaaat cctcatctca atgtctgctt ctgggaatt aaacctctga   240
gagctagcaa caggncattc tactgcttga tcattgcgct ctttgatttt ctgctaaatg   300
atgatcaatt caactaccac agtaatggga gagacaatgt aaaatttctc tttatagcaa   360
cataattata gctaattgtg aagtgaaata agaaataaat tttaactctg gcaacaataa   420
caacaaaaaa a   431

<210> 167
<211> 587
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(587)
<223> n = A,T,C or G

<400> 167
agatggggtc tcactttgtc acccaggctg ggctcaaact cttggcttca agcgatcttc   60
tcgccttggt ctcccaaagt gctgggatta caggcttgaa ctactgtact cgactgactt   120
ttcctatttc taatgtcagc atgaagaaca caagaagtca gcttcaaagg gacatcatgt   180
tctgggagaa aatcgttcta tttcatgcct aaaatggtaa caaagcaagt gaaagctgat   240
ctgctgtgtg tctcctggat agtgacaggt tctggtaccc aaataagcag acctaatgaa   300
gctcagagat tcccagcttg gatgaactat ttactcctca tgagctcaat attaactgng   360
gagtcatctt gcaactacag agccctttgc agagtgacca caggaagcca ggcatggagg   420
aagaaggcga caataagcag tcacttgtgt tattactgaa gaaaccacag ggatctgtcc   480
aattattcaa atgcacatct ggaaaaaaat cacctgnctt gaactctttg ttggtcaaca   540
gccaaaacaa gccaaaagcn cccccaaaat gctcaatcag ggcgatc   587

<210> 168
<211> 502
<212> DNA
<213> homo sapiens

43

<220>
<221> misc_feature
<222> (1)...(502)
<223> n = A,T,C or G

<400> 168
taaatcttgc tgctgctcac tctttgggtc cacactgctt ttatgagctg taacactcac   60
cgcgaaagtc ttgcagcttc actcctgaag ccagcaagac cacgagccca ccgggaagaa   120
cgaacaactc cagacgcgct gccttaagag ctgtaacact caccgcgaag gtctgcagct   180
tcactcctga gccagcgaga ccacaaaccc accagaagga agaaactncg aacgcattcn   240
aacatnagaa ggaacaaact ctagacgtgc caccttaaga agcttgtaac actcaccggc   300
ggagggtccc gcgggctttc attctttgaa agtcaggtng agaaccaaag aaaccccacc   360
caaacttcng ggacaccaaa agaagggacc nggnggtttc aagtngagcc tttccaagaa   420
ngggcttgga acaaccnngg gnnggggttt ccttgggaag gggtnggcca ttggttctan   480
gggggagggg gggaagggga aa   502

<210> 169
<211> 501
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

<400> 169
gtgaaaagca aagaattcac agcaacatac ctggaagtct cacatctcca gcctcaacat   60
ccttgccttt cccctaaca gagactggtt caagggagat tcggacacat ctccacctcc   120
aaagccaagt gccttcccgg gatgatctgc ataacaattt gcgggtgctg gtggtggaga   180
agctccggga agagaaaact agccggacgg tatcgaaccg cccgcaggcc cgtcgcagct   240
ccattaatgc aactaccatt acactaaggt nccaagcctc ttcttcgacc tctcaaacat   300
ggtaccatcc ctaatgaagt caacgggtcc agcatgacag gatggaagta caaagtgtca   360
gcacctatgt gaagtcccaa gaaggggaaa atttgaaacc aaaaanggaa gaaanagggc   420
ctttggccag ggcccggggg gnttcacgcc ttgtaatccc aacactttg ggganggccaa   480
ggggggggcag atcacctgag g   501

<210> 170
<211> 437
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(437)
<223> n = A,T,C or G

<400> 170
attttaatca aaaattttat gcactgctgg aaataagtcc ctttctccaa gtgttccagc   60
agattctatg ggtccttctc actggaaaag gcagagaagg atttcatcag gaccaagaga   120
gaccccacag gcccctgca ctgaggagtg gacatctgaa gggagacttc gtctgagacg   180
gctgttctgg gagccatcca ggacgtgggc tggggatgac tcagggacac acgcaatgaa   240
gggaactgtg atgggtcaga aactacccca gacaccaaaa agctgctggc tgttgctgct   300
gtttcacaaa aaaattcaac ttggnaccgg cctgaagact ggggagttct ctcggctgag   360
gactctgctt tcaaaacact cggctggagt ctnccccaga ggatcacagg tacctgaaag   420
cctcctgtga aactgtt   437

<210> 171
<211> 447
<212> DNA
<213> homo sapiens

<220>

<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 171
ttccaactga atcagtaaaa agcagcgagg tgtggtgaat ggaacccagg atccctctca   60
ggagcctcgg gaatccgttt cctctccgca tcagtggcag agatgtccct gccccaaccg   120
gtgggtgtgc ggattctgtg cggattcgca cggtgtttgg cacgtgggtc tcactctatt   180
gctcaggctg gagtgcagtg gccccatctc ggctcactga gaccttcgcc tcccaggctc   240
aagtgatcct cccacctcag cctccagcat agctgggact acagagagcc tctctctgtc   300
ttttaggttg acaaacatgg tgtcaaaaag tggggaatct gaaagcataa tcattttcag   360
aataaactgg tgattcttgg aaccagggtg caagtactcc cttgaggcct ttcaactctc   420
tacttccacg gntcttcttt tctggcc   447

<210> 172
<211> 556
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(556)
<223> n = A,T,C or G

<400> 172
atcattggcc cagactctcc actgaatccg aagaatgctt tgcaggggat gttcagaggc   60
ttacctgaga atgagagaaa aagaaatgag caaatgactc ctgattatca gtgggagaca   120
ggaagcgacc atttaacatc caaaggaaaa ctcagagcat taaatgtatc tttgccggtc   180
ttcaccaatc cattttggaa tgaaccaggg tacaaataat aaataatggc cttgaagttc   240
aagtttccc tttcatttgc taacccttttt aaagaaggag gagggagaaa ggaaagggaa   300
gaggagccaa actgatctga gttgccttt caaaaattct tgcaaggcag agtcaacaac   360
aaaatgggag aaaagaacct caatgtttat atgcctgtgg aaatcattcc gagtgctgta   420
ttcaggtgat accaatctac gattgtcacc atctcttttt gcttgaaatt tggatttat   480
cttgaattgn atgtaatctt tctttcccca tgtccataag ttcctgaaga gagaaggaaa   540
tgagttcaat gtatcc   556

<210> 173
<211> 422
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(422)
<223> n = A,T,C or G

<400> 173
gactctgcat cacaaaaacg caggatatta taacctactc ggtattttgg acatcgaagg   60
agaaaaggac tagaagttat gggaaggttg agcaaaagag aaggagaaag gaagaggatg   120
aggaggagaa ggagaagaga agaggaggaa gaggaggagg agaaggagaa ggagtactgt   180
gtttcactag tgcattttac cttctgcacg gtaaataatt agtaccccca agcttataaa   240
taacaggatg gtgtcctctg actaaaatta gggctagttt ttatgttagg aatttataat   300
ttcctaattg ctattgagaa ttctttgccg ccttaacaa acagatgtgc ttttaattag   360
attagcatct tntaaacaaa tgccgtgtct caagttcaat cccattttttt cttagtttct   420
ta   422

<210> 174
<211> 245
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature

45

<222> (1)...(245)
<223> n = A,T,C or G

<400> 174
atttacagga acaaggaggt ttggctatcg ttacatgaga gaacgttacc caaggacaaa   60
gaagtttcac agacttcccc tggacccttg ttggtgccca gatgtctgcg gttccctgtc   120
acttaaatat aaaagacaag gcaaagctcg cataattcta agatggntct ttaggacatt   180
ggtctgcttc ttcttggttt cctggctccc caaaataaag tcgctttcct tcctccaaaa   240
aaaaa   245

<210> 175
<211> 400
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 175
gggaaccaac gagttcacag ctgagcaagt gnttcggcga tggcttgaac tgggcttggg   60
tgctcatcat tgtccttgct gggccanaaa cgtccctttn accctgtttc gacttcttgg   120
taccaccctg cttaaaantt gcaanagggc aaggacgngg aaagggatga aaatccattt   180
aaagaatggt gnccccctga agnaaaaaat gggnccgnac ccggantcaa ggaaaggatt   240
caaaaatcct tngaacaaaa tgaagggttt tttgnccnnt tcccttgaaa acaaaataac   300
aaatgaaaag tcccggnggg gngnacaaaa acnaggttcc cnnttgtggg gaancatgnt   360
ggcccctgg gtttccaanc cnaccccatt tccaaccaag   400

<210> 176
<211> 513
<212> DNA
<213> homo sapiens

<400> 176
gtctcagtgc ttttgcaaac cttctcttct acaaccctct cctgcaatac atctgggagg   60
tgggatcatc gttcacacat tacagaggag gcagtgatgg ttttcaaatg aaaagtgact   120
tcgccaagga cacatgcagc tgagctgtgg agggcctagt ctgtctcctt tttccatccc   180
tcgtttattt ccagagctgt tcctacacct gaaaagcgcc actcccctg cacaccctgg   240
cagacaaccg gattcgatgg ccctggcagc ccgaacgcca acaaacaccc agtgtctttc   300
tgaagcgacc ataagccatt cgaggaaaca cgcacgggt cctgcttgtc ctggccttgt   360
ccccaatgcc cagggcagtg agagcagctc tacacggagg ccagtccctg aggcttcctc   420
ggtggcctca gacctcggag tacacacgtg cagtccttac ctcccaaaga taaacctaac   480
ctctcactct gctcttcacc tacttcaagt ctg   513

<210> 177
<211> 257
<212> DNA
<213> homo sapiens

<400> 177
gaaaaagaga gaagcaacca atattccaaa tgttctttca gtggtgttac tatatccaca   60
atgttgggca accatcacca ccatttccaa aattttttgt cacccagtgc agaaactgtg   120
taaccattaa gcaataactc tccattcctc ccttccccag cctctgcata aagtcttcaa   180
ggttcatcaa tgttgcagca tgtatcagaa ctttgttcct tttatgacgg aataatattc   240
cattgtaagc aaaaaaa   257

<210> 178
<211> 419
<212> DNA
<213> homo sapiens

<400> 178

```
gttgagctga actctccaag ccaaaggaca gaagggccgg aaatgctcca gacaggaaga      60
tctgtgactg gaatgaggcc ataggatcag gggagcttga agtgtaccca gtgatcctca     120
caggaattcc ccattgtgtt gcgagagctg gagggaaagg tggcagaggt ccaactccca     180
gtctgtagtt ggatcttaga ctgattagaa tctgcttcat cacttggaaa atcactctgc     240
atggaacact gaagcctcaa caccagcagc tttgcaggat tatgcgggca gagcagagaa     300
tgagtttagc ggcatctaaa ctgccttctc ataatagaag agcaagatct gtagaagtaa     360
tacagtgctg gaaaatggca ggatggaaaa atgactgtat ttgagcaagg aaaaaaaaa     419
```

<210> 179
<211> 606
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

<400> 179
```
ctgtaagtgt aaaggcatcc aagaacatgc tacagttggg gatcacatct tcctgaggca      60
cagaggacgg ctctgtttgt tcagatggac aaacagatgg accctgcagc caggtggaat     120
gtcanaggtg gaggggaaac cctgnnacac tgatgggcct ggatcctctc cagcctctcc     180
cctgcattgt ccacacaact gccctgagtg gtaacngtct tgtttacgca cttctgagag     240
ctgagctgga tgagtgcact tgggacactt ggtgacaggt acttgcaagc atgatcaggg     300
ncagcctcaa tacaggcaga aatcctgggt atttaaaaat acttttttga ttcagatcat     360
ggtgagattg cagagcaaca ctgtgtttat aactgggagg aaggcaaagc tgtggtgcgg     420
gcagctcatc tcaactcttt aaagcaaggt ttgctcacca aggtgctgac tcatgtctct     480
cacccctgcc catatatagc attacaaaag tgaacaggcc aggtgtggtg gcttaccctg     540
taatcccagc actttgggag gccgaggcgg gcanatcacg aggtcaggag atcgagacta     600
ttctgg                                                              606
```

<210> 180
<211> 406
<212> DNA
<213> homo sapiens

<400> 180
```
gtatattatg ttcttatatg aatgacagaa gaaacaatga aattgaagga aaggaagatg      60
aacgctaagg ctcgtcaggt gaagcagtgg gaatggaaaa ggaacaaaga aatctgtaac     120
tgattgtgat caattagttg taaacaccac tgcccttgga ccaggctgac cctagtact     180
tcctagttct atagatttag atggagtctc actctgtcac ccaggctgac ctcgactcac     240
agcaacctct gcctccaggg ttcaagtgat tcttctgcct cagcctcccg agtagctggg     300
actacaggtg tcaggcctct gagcccaagc taagccatca tatcccctgt gatctgcacc     360
tacacatcca gatggcctga agtaagtgaa gatccacaaa agaagt                  406
```

<210> 181
<211> 464
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(464)
<223> n = A,T,C or G

<400> 181
```
catcccaatc ccctgctcct acctcagctc ctgtgatctg tgtggggcca cccaccctcc      60
tgcttcagtg atcaagaact gaccaagctg ctcatcccag cccccagcca cagcaatagg     120
atccggtaaa ggtttgcgac ctaagctggt gtgatgagcc atcagatgat ccctctttct     180
gttggaggtg ctaaatcggc agggcatgag cctggattta ctagcagagc ctgcctgaag     240
atgccaccag cacagaaaga tggccaaacc caagaagcta gagagacaga aatcttcaat     300
ggatgatatc ttgagccatt ccagaattca acccacatct tgaaagttta aaaggtcttt     360
gcttcaagga actctttgga nggnaccaag gaagggnaat acacnttttt gganttaagg     420
```

47

naaatgaaaa ggggggccntn tttttnccca aggccaaaaa aaaa   464

<210> 182
<211> 428
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(428)
<223> n = A,T,C or G

<400> 182
cctgactgct gacatggccg tgccctctgg agaaggccct ggatggnann gtgtccacct   60
tccggggtnc cctcnaaaag cttntggttg gttangnctt ttgcttcaaa aattccacaa   120
cacncagatc ctgtttgnca tctgggagcc tgnaccatan ttcttttggg ggaaaaagna   180
catgaaagaa agctttnttt tccnattaaa gcnanaanga agcaactttg gnaccagcnt   240
ncagggggac aacctaaggt gggactttcc caagagtact nnggnctttc cntggccctg   300
cnttnnncca tggatngtgg aaaaccgaaa tncttttttga aagggctttc ccaagataaa   360
gcagccccag ggaaagaaaa tggaaaaact cctntgattg tggtttgggg ggggtctgcc   420
cacctgaa   428

<210> 183
<211> 218
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(218)
<223> n = A,T,C or G

<400> 183
tacagggaaa acggccttgg aacaagggag gcagaagtct tggagttacg cttgcctaca   60
gtcacnggaa tgccaaggac agctggaaac caccagaagc taagaaggag attttacctg   120
aaagcctctc aaagaaatca gtcatactca cacctccttt ttgaatttct ggcctcgtga   180
atggtgaaaa aataaatttc tgtcgtctta aaaaaaaa   218

<210> 184
<211> 459
<212> DNA
<213> homo sapiens

<400> 184
atggagtctt gctcagttgc caggctggag tgcagtggca cgatctcagc tcactgcagc   60
ctccgcctcc ggggttcaag tgattctcct gccttagcct cccgagtagc tgggactaca   120
gagatggggt ccaggctggt gtcaaactcc tgagctcaaa caattctcct gtctcggcct   180
cccaaagtgc tggaattaca ggctccacga gcagatgggc agatgaatag aagagcagag   240
gaggagaaga acaacgtggc agagaaggag agagaaggag catctgaacg ttgagaggag   300
tttggccggg gatggtcaga cagttgatca tccacagcac agcgaaactc tatggggaag   360
atcatcttca cactccatcc cctttccagt tccccatcca ttccaatgac agctacctcc   420
atcgcccaat aaaatcccca cattcaccac caaaaaaaa   459

<210> 185
<211> 376
<212> DNA
<213> homo sapiens

<400> 185
aaaatgagag gatgagagtc tgaaatgact ggcaaatatc actgtgcact gatcgctgcc   60
atgggaacaa aggaaagata cctcactcag gtgaagagaa agagagggga caaatgaagg   120
gagacacaaa acggcgtgat gataaagaaa tacaggctct gaaatggcat gtgatttgcc   180
caaagtcagt gagctactaa gtgagaggtg gaagagaaag cgaggtgcct gtctttagaa   240

48

```
ctcagacctt tatcttcatc ttctgaaaga aatgaaaatg tgctcaaaat cctgccactg      300
ggaactatca acagaattta cagatcatta gacatttctc cacgcatact acaaataaaa      360
ggatggaaga aaaaaa                                                      376


<210> 186
<211> 284
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(284)
<223> n = A,T,C or G


<400> 186
gatcatgaat ggaatgacac actctgaccc gnnnagacct tacagatcat ctntgatctc       60
caancntgaa gnagccgnaa ntgctgctgn catgcancaa atcttactgt gctgagatca      120
ttcacaatgt ttcctccaag aactgcaaag ccgttgtgga aagagctgcc cagctggcca      180
tcaagagtca ccaaccccaa tgccaggctg tgcagcgaag aaaatgggta gacagctcat      240
gtgcacattg tgttctaaaa aaccgtaaaa actgcaaaaa aaaa                       284


<210> 187
<211> 299
<212> DNA
<213> homo sapiens


<400> 187
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg       60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta      120
ccacgcctgg ctaatatttg tattttttgt agagacgagg cttcaccatg ttacccaggc      180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat      240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagccg aaaaaaaaa       299


<210> 188
<211> 287
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(287)
<223> n = A,T,C or G


<400> 188
caacaataac tttctgttga agccgtccag ttttgaagcc acccagtctg tggtgcttgg       60
ttaccgcggc cctagcaaac ttgcctgagg ctttccaaat cacagccccg ttttgtcaca      120
ggggaagaat tctaagaagt tctttatttg gccaagtgag ggatagaaga ataatgagca      180
tttncctnat tacaaagttt taaaaaacgg gcttaancca cacacggntt aggagattgg      240
cccttcctcc gccttcagct tgcagggggg cttcagtaat aaatggg                    287


<210> 189
<211> 632
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(632)
<223> n = A,T,C or G


<400> 189
gagctcaaga aaattaaaaa gaagactgga tgcaacctca ttaacagatg aagctcttgt       60
ctggaaatat actttcaaca ctgacagtta taatcaaatg ccttttaata agtaattgtg      120
```

49

```
ctgagtgatg taccttcaag cgaaatcaag caaacaggca gaatccatgt cctctagaga    180
tggacccttg tgactgacta tgccaaagac atggatgttt gaacaatgaa ccaataacga    240
gtgtgttgaa aggcaagata aaatacagca tttacctggt atcaaagcat tggactttc    300
cactccacca gagtgggcct ggcaggaaaa ggaggaaggc atcctggaag gaatgggaca    360
caaaagtgaa gaaaacacag atgatggatg ctgctttggg tttaacttga aagaccaaag    420
ataggtgggt ctgaaacatg ggactgatgc caacccagtc ttattttggg tttctggcca    480
ngactcccaa tcaaaaattt ggtgagagac tctgtctaac tcncaatcaa aaattggngg    540
gagactntgt ctaactcacc aatcaaanat gggggccctg ttncccnccc atgtcagtca    600
tttaacacac actttntttt tttaccaaca ag                                  632
```

<210> 190
<211> 246
<212> DNA
<213> homo sapiens

<400> 190
```
ggatgagatt tcaccatgtt gcccgatctg gtctcaaact cctgaactta agtgatctgc    60
ccaccttgac ctcccaaagt gctgggatta caggcatgaa ctgccacacc tggccaggat   120
cagcatcctt ctcaagaatt ggctcatgtt gttggtgctg ttttctgtgc cacaagtcac   180
accgagttga tgctgcaagt atgttctgcg attaagcttc taatatccat caagcaagaa   240
gaaaaa                                                             246
```

<210> 191
<211> 467
<212> DNA
<213> homo sapiens

<400> 191
```
agttccagaa tttggaagct gaaaggaatc tttgaaacca cccacttcaa ctcctacatt    60
taagagattg gaactaataa aagttcaatg gcttgtctaa ggctattagt tagcagttgg   120
aaagccagtg ggaaattcta gatctcctga aaaccagttt catgctcttt gctctaaaag   180
ctacactgaa gaaatctaaa ttacaacctc agttcattaa agaccggaag agaaagaatc   240
atcttggctt gacaatcttc caactgacct cctgatttcc atcccaatga aggatttaat   300
cacgactttg cctgtacata gaagacatgg aaaagggaat cctatcatat accactgtgg   360
aatgcctcta gaaagaaaga aaataagaag aggtcatttg ccagctgggc actgggtcca   420
acttcagccc ggggagaagc attcttggtt ttccttttgc cctggga              467
```

<210> 192
<211> 194
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(194)
<223> n = A,T,C or G

<400> 192
```
ctggggagct cctgcattan ttcctanctg agcctgngat gctaacatga cggcaggaca    60
aagaagagcc atcttagacc tagagaggga aggcacacac tgaagacagc aaatcctcta   120
gagaatcttg gaccacccat ctgtggactg tgaaagagag aagtaaactt ctataagcca   180
ccataaaaaa aaaa                                                    194
```

<210> 193
<211> 575
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(575)
<223> n = A,T,C or G
```

<400> 193
```
aagccctacc cttccctaga ccatgtcacg attccgtcgc atcctctgcc attgtccctc   60
ggaatattcc tagatggcat ttatcactgt ggatagttac cactactcag cgttttggct   120
aagatcaagt gttccatcat cgtgggtggc tcatacgtgt aatcccagta cnttggaagg   180
tggaggcaag aggactgctt gaggccagga gtttcagatc agcccaagca atatagcaag   240
acctccatct ctacaaaaga tttttaaaaa ttagccaggt ggtggcagca gacgcttgtg   300
cagctatacg caagattaag gctgggactt ccttggcaag aagcaggagc tgctgaagtt   360
gctggtcaac ctatgggtga agctgtccca gctgtgcatc accaatgtca gcagtcccgt   420
cttttttgaca ccanggacca gttcgtggaa gataattttt ccatgaatgg gggcaggggg   480
gggatggttt nggatnantn nancccantt ncncttattg ngnncaccat ctctattntt   540
acnttctaat atatgganaa aataattctt ccacc   575
```

<210> 194
<211> 434
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(434)
<223> n = A,T,C or G

<400> 194
```
atgagccggt gctgccaccc gccatggtcg acatcgatgt gctcgccgca cccttctctca   60
tcnntntggg gtanaagcta tttcccnntg tctgggggca acaagcnata agactgcttt   120
tatgccgcgg gtttcaagnn ggcagctcan gggcnccgg gtntttttg anaaanccac   180
ctgcccgggc cctgaatgaa cttggacaca tttttggaac aagnagaacg anctnncttn   240
tgagcaagga cgantngncc ccttnaacag caggaaacgg ggccaaaagt tcaanccctt   300
taancaaggn gnatgggttt taaaaacaaa atccccnctt ntttggnggg aaaaanggggg   360
gngaaacnng cngnttttt tcccggganct caaaccnggg ggggggnggg aagaaaaacc   420
ttgcccccgg ggtg   434
```

<210> 195
<211> 225
<212> DNA
<213> homo sapiens

<400> 195
```
gcacttgtcc ggctgccccc ccacatctca cagtgtgacg aaagtcttcc ggttcttcga   60
ggctcgaccc gaggatgtca accctccaaa agagacacag ctagagtgcg ccatctgtgg   120
ggaaccagcc ttcaccagac accaaatctg ctgcacctt gatcttggac tttacagcct   180
ccagaactgt gagcaataaa tttctgtttt taagaaatta aaaaa   225
```

<210> 196
<211> 143
<212> DNA
<213> homo sapiens

<400> 196
```
atactctcca gaagcacagg agaaagctgg aaggcagaag aatggacaac ccattactta   60
ccctcccatc aatttcctcc ccttcatgct gtcaccagaa ttatttttat aaaactctga   120
ttgtgccaca ctctaaaaaa aaa   143
```

<210> 197
<211> 441
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(441)
<223> n = A,T,C or G
```

<400> 197

```
gtatattagt tcttatatga atgacagaag aaacaatgaa attgaaggaa aggaagatga      60
acgctaaggc tcgtcaggtg aagcagtggg aatggaaaag gaacaaagaa atctgtaact     120
gattgtgatc aattagttgt aaacaccact gcccttggac cagcgaccca cctagtactt     180
cctagttcta tagatttagt ttgttttttg agatggagtc tcactctgtc acccaggctg     240
acctcgactc acagcaacct ctgcctccag ggttcaagtg attcttctgc ctcagcctcc     300
cgagtagctg ggactacagg tgtcaggcct ctgagcccaa gctaaaccat tatattccct     360
ggggatctgg acctacacat ccagatggcc tgaagtaagt gaagatccac aaaagaagng     420
aaaatagcct taactgatgg c                                               441
```

<210> 198
<211> 405
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

<400> 198

```
acctttgctc tgctgctgct gtccctgnta ctggctatgg gactaggaaa gaagaangag      60
ggatncttga gcgctctccc cttcctgcct gtnatanctc aancnaagga agaacaacat     120
ntcatcctca taggcccaag ntacacggaa tgggactttg atcnangact acaggatngc     180
catgnacnnn attcancnac nngantatng aaacngnctg nttggnccat angggggaatg     240
aagaatgact gnaaacacaa catcactcag gtaggaggct cgggcgctgg agctggccgg     300
tcaagctaat atggaaagag gaatgaagct gtggatcccc agagctctcc tccatggaac     360
cccagcgatg aatatttgct gcgggacttg cttattcaag agctg                     405
```

<210> 199
<211> 250
<212> DNA
<213> homo sapiens

<400> 199

```
cctgctttaa gtctgttgtt acttttctac tgagataaaa tccactgttt gcatccaacc      60
gtttcttttt actattgttt gcaaactgga atctattcca attaagaatt tatgaggcgg     120
ccaggcacag cagctcatgc ctgtaatctc agcaatttgg gaagccaagg caggaggact     180
gcttgagcct aggggtatga gaccagcctg gacaacatag caagaccctg tctcaattta     240
aataaaaaag                                                            250
```

<210> 200
<211> 600
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(600)
<223> n = A,T,C or G

<400> 200

```
gtgaggaatg taagatctgg ggagttaaga tcatgcccac agtcatctag agggtatctc      60
tgtgaagcaa gacaaggtca tcctccacat cctccgcatg aattgacctc ccccaaactt     120
ggggcctaac tgtccagctg agctcatata tcttggtctg gagagctgcc tcagactctc     180
caatggatct attcaaacag ctgcctctgt taccttgact cgtctcagat ttcgtcgaac     240
tgagacaggt cctggcacta ggaatgtaag gctgtctcta ttattttgat ttgctccaac     300
aagggagaag cccatgcaag gctcctgctg accatatgtt tcatttctag cttttgatgtc     360
tggatatcga tttccctagg tttaactgtt tgctcaacat taaggcagct ctgtggaaat     420
ttgtctgtgt aattggagtg ctatgcaggc ctgtctgtgt ggctgctgtc atgcangcct     480
gtctgtgtga ttgtcaagga aaaatggcct gccacaagtc ccagcacttt ggaaagctga     540
ggcgggtgga tcatatgaag gncaggagtt caagaacagn ctggncaaca tggcaaaacc     600
```

<210> 201
<211> 449
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(449)
<223> n = A,T,C or G

<400> 201
atcaaatgtt gcctctccag tgatgtaata aattcaacag gccacgaggc ctttgcgtct   60
tacttcaagc tgctttgaag acctaattgt ccgtttaacg atgtaatgct ctatttatca   120
gaaacaccct ctctgaagcc cttaaggaat gactaggagg aggggacctc catccttgaa   180
ttagagctat taaagagctg ccttcttgtg atccaggaag tcaactgcca ttttatgagc   240
tgtgagctgc cctatggaga ggtccacatg gcaaggaact gatgtctctg gccaacagcc   300
agagaggact gaatccttct agctaccaca gaaagtgaag ttggnaagca aaatccttcc   360
ccagctgagc cttcagatga gaccacagac catgcactgc accttgattg cagccttctg   420
agagaccta agccagagac atccaatgt   449

<210> 202
<211> 439
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(439)
<223> n = A,T,C or G

<400> 202
atggaatctg actctgtcac ccaagctgga gtccagtggc atgatctggg ctgactgcaa   60
tctccatctc ccggcttcaa cagattctac tacctcagca tatagagtag ctgggagtag   120
aggtgtgtga caccacacct ggttaatttt tgtattcttc atacagacag agtttgacta   180
tgttggccag gctggtctca aactcctgac ctcgtaatcc tcccacatcc gcctagcaaa   240
ctgctgagat gagaggagtg gcccactgca cccagcctac tggtttattt ttaaaaatag   300
caatttgggt cgggcgcagt gtgtctcgcc tttctatatc aaccaacatt ttttttcag   360
gctggatgac ctgggatctc ccancctttt gggaggacga ggccccagga ttcctggaag   420
ttggagttca agaccagtg   439

<210> 203
<211> 307
<212> DNA
<213> homo sapiens

<400> 203
attcaaggtg aaaaagtttg acttgaggac ttaagtgaca atgagccata atattctgag   60
tactagccag gggattcaca cagctgaagc ttcaccttcc tttcacgtga cagccttcaa   120
attgtctcct ttcccaaatt cctacagcaa cacccacaac tcccgtggca tgaaaaagaa   180
tgggagcagt ggtgcacatc tgtagtccca gctactcacg aagttgaggc cggaggattt   240
ctggtgccca gaagttcact tgaaggcctg cctgcacaat ataggaagac tctatctcaa   300
aaaaaaa   307

<210> 204
<211> 429
<212> DNA
<213> homo sapiens

<400> 204
gttcaagcaa ttctcctgcc tcggcctccc gagtagctgg gactacaggc acacgccacc   60
atgcccagca ggcagacgtc cagggacatg cggccggaag aaccggattt cagcccggct   120
gagtcaccac agcagccgcc ttgtgatgga tgtagcccgc aggcggatcc agccgcctcg   180
aaacagggcc tcaagggatt ggataaggcc tacccacatt gctgagggtg gatcttgtta   240

53

```
ctcagcctac taatgcaaat gcttatctct tctggaaaca tcctcacaga tacacccaga    300
aattatgttt aaccagctat ctgggcatcc cttggtccag ccaagttgac acatgaaatt    360
accgatcaca aacactttgt tgcttcattg cttatcaaat aaagcaactc ttctattgtc    420
aaaaaaaaa                                                            429


<210> 205
<211> 416
<212> DNA
<213> homo sapiens

<400> 205
gttggttttt ctggaagcag atgctgagat gcagtttgga gtacaagatg tttattaaag     60
atcaacacct gaggaagaaa gataaggaaa agaagaactg ggcagaaaaa gaagtccatc    120
tgtgaggaaa ccttggcaag accttggcta accctctgtg gcgctccaga gcacatatgg    180
cctaccagag caatcccaga ccctgcactg gacggatcac ctgacactgg aacacccag     240
accgtggtaa tctggctcaa ccagttctgc catcccaccc tgggatagaa gacagcagca    300
aacctcactt cgacccccta tgattccatc tccaccctga caaatcagca cgccccactt    360
ccaagcccct accgtgattt gagtactaat aaaactccca tctcccacaa aaaaaa       416


<210> 206
<211> 353
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(353)
<223> n = A,T,C or G

<400> 206
caccaacttt atcattgtct gttgccatgg ttnactatag angtaaactt gactggatta     60
angattccct aaagagtnag gcctntgagc ccaanctaag ccatcatatc ccctgtgacc    120
tgcatnnaca catncagang gccggttcct gccttaactg acgacattcc accacaaaag    180
aagtgaaaat ggnctgttcc tgccttaact gatgacatta tcttgngaaa ttccttctcc    240
tggctnatnc tggctncaaa gntcccccac tgagcacctt gtgancccca ctcctgnccn    300
ccagagaaca acccccctttg actgtaattt tcctttacct tcccaaaaaa aaa         353


<210> 207
<211> 529
<212> DNA
<213> homo sapiens

<400> 207
atggagtctc actctgtcgc ccaggctgga gtacagtggt gtgatctcgg ctcactgcaa     60
cctccacctc ccgggttgaa gcgattctcc tgcctcagcc tccagcctag aattacaggg    120
ttgggtgtga tccccgaagc agacgctgtt gcattcggta ctggctgcct ccccgtactt    180
ccagtaatca ggattgtttc cacagaagca agcatagcct gactccatcc cagcaaactg    240
ccacaacaga gaagcagcac acgatagagt ctcactctgt catccaggtt ggagtacagt    300
ggtatgatgt tggctcaccg caacctccac cacccagtta cacagccaca gagtcatcac    360
cttgaaccctc tgactccgac aaaaactgat gcaagtttgt atgcaagaag gtagccctca    420
gcaaactagg aagagaggcc tcaccaggca ctgagtcacc agcaccttga ccctggactt    480
cctagcccct tgaactatga gaaataaatg tctgttgttt aaaaaaaaa              529


<210> 208
<211> 292
<212> DNA
<213> homo sapiens

<400> 208
gtctttaaac aatggcctaa ctctttcaac aaaattgccag tcagaaaatc tttgaatcta     60
cctatgacct ggaagccctc gctttgagtt atcctgcttt ttcagactga accaatgtac    120
atcttacatg tgttgattga tgtcttatgt cttcctaaaa tgtataaaac aaagctgtag    180
ctctaccatc ttggttgggc acatgtcctc aggatcccct gagggctgtg tcatagccat    240
```

54

tggtcactca tacttggctc aaaataaata tcttaaaata ttagaaaaaa aa   292

<210> 209
<211> 428
<212> DNA
<213> homo sapiens

<400> 209
gctctgtgga agataaagaa gtactcccac tcttcctcaa ggagccacag ccagaacttt   60
gctggagaga taagcaaaca aagggaaagt taacaagaaa gaggacagtt gacatttcca   120
gaactttttc ttccagtgga gacagtcctc cagccgagtc tccagctgca cctttcttac   180
aaagcacata gctttgttcc ttgtattcta gttatttttg tatatggata tcttctttac   240
tagaaaatta ggtgcttaag agcagtatct gtttctgccc tgctgtctcc accttctctc   300
ctccttcttt cacatccacc tctctatgcc caccctgccc cagcatctgg taatgtgcct   360
atcacattct aaatgcacaa taaatagttg ctcattgaat taataaacaa atgaatggca   420
aaaaaaaa   428

<210> 210
<211> 516
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(516)
<223> n = A,T,C or G

<400> 210
ttttatgctc tactggtcta gaggtcttag ttccagagaa agaaatgctt ccacgaggag   60
acacaacaac gattccattg aaccggaggt taaaactacc actcagccac tttgggtgcc   120
tcatgacgct gagtcaacag gcaaaaaggg agttactcta taggctcggg tgatttacct   180
gactgccatt ggggaaattg gactactact ctgcaataga gacgaggtct cgctctgttg   240
cccagactgg tcctaaactc ctggcctcaa gtactcctcc tgcttgggcc ttccaaattg   300
ttgggatcat aggtatgaac caccatgccc agcctagaat tagtatttct aacaagttct   360
caaatgatgc tgatgctgaa ggggccacac cttaagaacc actgtcctag tgcatttctc   420
cgattttaca gatgaagaaa ccacngncca nggaagacgc agcttgagca aggtcacccg   480
gcagtttcct ttgcagtaaa atgggaataa aaagaa   516

<210> 211
<211> 221
<212> DNA
<213> homo sapiens

<400> 211
gtggaaaggc aagtttaatc tacaatttta gtcgccacca atacactctc ttagagcttt   60
tcatgacacg tctcataaag aaatgctgat ggccgggagc ggtggctcac gcctgtaatc   120
ccagcacttt gggaggccaa ggcgggcaga ttacgagatc aggagatcca gagcatcctg   180
gctaacacgg tgaaaccccg tctctactaa aaatacaaaa a   221

<210> 212
<211> 402
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G

<400> 212
caggtagaag aggcccgtgg gtttcttgct gatgagatgg atgcagccga cattgtctgt   60
gtagccgatg ttgtgccacg tgatcccctc gccctgatat tcctcctgca ggggtggcgc   120
ggggtcgaga tcgacagatg ctatgctgta caggctagtc tggacctcct ggcctcaagt   180

55

```
gatcctcctg cctcggtctc ccgagtagct gagattacag gaggaaacgt agacatggcg      240
tggcattcag agattcctgg gaaaacattc tcctacctct catccttctc ctgagacacc      300
aggcgagact tttcaagcag atatttctcg acgacagctc tgtcctttag agaaaaacng      360
aaagaattaa acctttcctt ttaanattgg ggccaaaaaa aa                         402
```

<210> 213
<211> 216
<212> DNA
<213> homo sapiens

<400> 213
```
ggcctggcct ctctgagcag ggcagccatc ctcctccgtg cagctggttg gggtcatgaa       60
ctctgattca gaaagaggga gcaggatttc ttgctaagac ctcctggccg aagtcaaatt      120
ctctgacctg cttttactga aaagccttgt tctgagggca tacaggagcc tcaatcaacc      180
atttaataaa aatgcttcct caccgtcaaa aaaaaa                                216
```

<210> 214
<211> 374
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(374)
<223> n = A,T,C or G

<400> 214
```
gtatgagaca ccacacctag ccctgaagct gctcttggtt gggggtcatc ccacacctaa       60
gaaagaaaga tgatggctct aaagaagatg aaaaagtcat tggtgtcaat caactctagg      120
ctccaactca ttatgaaagg cagaaagtag gctgggcacc gtggctcacg cctgtaatcc      180
cagcactttg ggaggccgag gcaggtggga tcatgaggtc aagaagatcg aaaccatcct      240
ggccaatggt ggtgaaacac cattcttcca cttnaaaata nccaaaataa gctnggcggg      300
ggtggggncc cactgnangc ttaantnntt gggganggtgg ggcangaaaa tgggttggac      360
ccgggagggg gaaa                                                        374
```

<210> 215
<211> 121
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(121)
<223> n = A,T,C or G

<400> 215
```
atgactgtac acatacccct gcccaattta tatagctctt tgtggagana attnaggggg       60
gggancccact tttgaaggaa aaaaccccgg ggntttancc ttttaaaaaa aagggggtttt     120
t                                                                      121
```

<210> 216
<211> 130
<212> DNA
<213> homo sapiens

<400> 216
```
acatggtgct gccctcttct gacaaattga gaaaacagca gacgccctga atacccatca       60
aggacattta aaattaccat ccacttgttt tcaaaaatga aataggaaat ttgcagcaca      120
caaaaaaaaa                                                             130
```

<210> 217
<211> 203
<212> DNA
```

<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(203)
<223> n = A,T,C or G

<400> 217
gaggaagatg acacctatag gagaananna tatgaataca gaggcatata ttcgagtgct      60
gtggtcacaa gccaaggaat gccancggcc accagcagct ggaanagcca nggaatgaag     120
anagtacggc cttgccancn ccttgatctt ggnccancca tactgatttt agatttctgg     180
cctctanaat tgtgaacaaa taa                                            203

<210> 218
<211> 288
<212> DNA
<213> homo sapiens

<400> 218
gtcttcctta atatatgtca gcagtggagt ggtgtgctta aggagagaga gacttggaaa      60
aatacagacc gagaacaagg ccatgtggag atagaggcag agactgaagt tgtaccacca     120
aaggcaaaga atatcaagta ttatcagtaa ccacaggaag ctggaagagg ccaggaaagg     180
tttttcttaa agaccttgga aggagcctga ccctggaaca ccttgatttt agacttctga     240
ccctcaaaat tgtgaaagaa taaatttctg ttgttttaag caaaaaaa                 288

<210> 219
<211> 429
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(429)
<223> n = A,T,C or G

<400> 219
gtggggtctt tcacggtaat taggaaatgg agagtggccc tgtcagatgc aaaggagaat      60
atcaaatttg gaagaaagta ctgcctattg cacaagagtc caggttcctg ctacatcctt     120
cctaaaaggc cttcccctgc aagcttgcct acctcacatc gactctcccc acatagctgc     180
aaaagtggac gtctgagaag aaggggagg aagaggagaa gaaggaagaa atgaagaagg     240
cnaagatgaa gaaaaagaag aagaggagga agaagaagaa ggaggaagag ggggaaaaga     300
ggaggagatg atgttatgtc atcccttcac ccttcccctg cacacacaca cacacacaca     360
cacagacaca cagacacgca cacacacaca cacacacacc aagaaaaccc ttcnagagct     420
tcccattgt                                                           429

<210> 220
<211> 375
<212> DNA
<213> homo sapiens

<400> 220
gcaccaaagc tctggctctg tcctcctggt gtctgtggga agaaacagtg tgttgagtcc      60
agcttgcacc agctcctgtg gtcatctttg cctccgcagc ccctgacatc accttggtag     120
cctgaaattg gccacaatga gactatctac accatgcaaa gcagcaaaca ccgtgtttca     180
ggattttgca gcaaacacac atattgggtt tttgggtttg tttcctgttg tttttgttgg     240
cttaccagca caccactggt tgtgatttta ggggccataa aaaatggttg ttttgagctg     300
ggtacagtgg ctcactcctg taattccagc actttgggag gccgaggcag gcagatcaca     360
aaagtcgttt gtttt                                                    375

<210> 221
<211> 118
<212> DNA
<213> homo sapiens

57

```
<220>
<221> misc_feature
<222> (1)...(118)
<223> n = A,T,C or G

<400> 221
cttatattc aagccagtgg caatccnact ctcttcctga ctcactgtct catcaacgan      60
gcanagctct cgaagagaan tctctcttac ttgcctgagg gagggtggca gacgtttt      118


<210> 222
<211> 167
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(167)
<223> n = A,T,C or G

<400> 222
taaaaccaat cttgccttat tgnaaatata cnttcccta attcacaggg tgaagccana      60
ntnggngctg ggntcggacc aggggnngn ntnccnatct gtgnatntgc ccttntcctt      120
ggggatacta aggaataaag aaagtgatca ttggctacgt tgaaagc                  167


<210> 223
<211> 231
<212> DNA
<213> homo sapiens

<400> 223
gtgcggaaga caactcgatc atcatggggc gacaaagtcc actgtgctga gcacctctgc      60
aagaaaaccc aaacacatag ggtcactcaa tgaagatgca agttcaacgc tagcctaagc     120
cctggaagaa aacacagcca gagtataagc ttcaaggga aagagatcct aaatgtatac      180
cattcttacc aaaaataact atgcacatgg gaggcttctg tgaaaaaaaa a             231


<210> 224
<211> 296
<212> DNA
<213> homo sapiens

<400> 224
ggcttctctc ttccctggag acgtaaaacc agaaggattc agaaggatct gccaaaggaa      60
atctggaccc cataaacgat caggtgattt catgtacata agggtgttct agaggaaaga     120
tggctgtcac caccctgcga gggacccttt cacatgttct gatatgatta tcaaagtgaa     180
ataaaaatcc agctggattc atgctttcaa ctggacttgg attcccacaa ggacttgaaa     240
tttaaatctt ctagaataaa tgatattggt actgaattca actgaaaga aaaaaa          296


<210> 225
<211> 327
<212> DNA
<213> homo sapiens

<400> 225
ggtgtacagc aagctgtgat tcctgggaaa actaaaaaag agacgggggt ctcactatgt      60
tgcccaggct ggtctcaaac tcctggcctc aaatgatcct ccagccttgg cctcccaaag     120
tggtaggatc acaggcatga gtcaccacca ctgctgatgg cctgacgcat gctttggata     180
gcatcgtgga gggatctctc taaaattgac ctggtcggtt tcattctcag cagactgacc     240
tgggccactc agcacggctt tccttattcc tgatgctcgg ggatgttctc tttttacaat     300
aaagtcatca tcggcagaaa aaaaaaa                                          327


<210> 226
<211> 357
<212> DNA
```

58

<213> homo sapiens

<400> 226
gtaaacatcg gactgacatc tcctttcaaa cattcattga ggatctactc tgtgagaaga   60
agcaatacca tgttatctca ttctagttcc agttctagtt gacttgattg tcaaacgact   120
gctaagaagg tgaaatagag gagatgacat gaatgaggga ctacattgga atgaagaaga   180
aactggagga ggtaaaaaaa ctgaaggctc cggatgtcgg ctatgctcct gtttaggtat   240
gcagacctga cttcttgact gcagatcccc gaaaaccaga attgggtgct ctgaacgtgc   300
tcaagagaaa gtcaaatttg aaacccattg tgttaaaacc tgttgtaagg aaaaaaa   357

<210> 227
<211> 373
<212> DNA
<213> homo sapiens

<400> 227
ccagccaaca tgtatgtatg ctgaaaagcg agagcacact gatgaagaac actgcgggca   60
caaagaaaag gaaaagtggt ttattgaaaa aggaaaggac agaaaagaaa aaccaggaga   120
aggtgtatgg gaagctggga ccctggccct gtgcagggga gatacaaggt gcttctgggg   180
aggctgccac catctggggc actggcacat ggggcacggc agggctcgcc ttcctgatga   240
tgccgcctat cccagttgcc caccggaagt tgcagtgccc agattagttt tgtattgatg   300
gaaatttaaa aaaaattata ttacataatt ttatgctttt tgaaaatagc taataaactt   360
ttattggtta aaa   373

<210> 228
<211> 116
<212> DNA
<213> homo sapiens

<400> 228
gcaggggcat ccagtggttc aaggttacaa taagctgtga tcgtgccact gcattctacc   60
tgggatgaca gagtgggacc ctgtgccaca gagtgagacc ctgtttgaaa aaaaaa   116

<210> 229
<211> 513
<212> DNA
<213> homo sapiens

<400> 229
atggtgtgtc cggaattggt gggttcttgg tctcactgac ttcaagaatg aagccgcgga   60
ccctcacggt gttacagctc ttaaggtggc gcgtctggag tttgttcctt ctgatgttcg   120
gatgtgttcg gagtttcttc cttctggtgg gttcgtagtc tcgctggctc aggagtgaag   180
ctgcagacct tcacgagatg ggatcttgct atgttgccca ggttggcctt tgaactcctg   240
gcctcaaggg atcctactcc gtcagcctcc agagtagctg agactacagg tgcaccccac   300
ggagctgggc tttcttccta tttgtctatt ttcaggaaat attttcagaa aggatggatg   360
ggtgataaac tttctgagcc cttcatggtc aagcttttct tatttgcaac atggagatca   420
aaatacctat cccacagaat tgctgaagat gaacgaattc atacttttaa gcttttagca   480
gagttcacca tataagcaat caataaatgt tag   513

<210> 230
<211> 272
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(272)
<223> n = A,T,C or G

<400> 230
tttagactct ggggactcct gcttnnttna gaaattagcc cacatgggta nctnctntct   60
ttttttttaan naggtacnga ctttaacggg ccctnacgac gatangcatg ctttgtctna   120
aaggggggat attgtaggga aaagagaaga tcccgactgt tactgtgtct acatagaaaa   180

59

```
ggaagacata agaaactcca tttcngactn gcaccctgat ttaattcgtt tttnccttga      240
natgctgtta tatattgtaa ctttagcccc ca                                    272


<210> 231
<211> 281
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(281)
<223> n = A,T,C or G

<400> 231
gcaccaaagc tctggctctg tcctcctgga gtctgtgggg aanaaacagt tgtgcttnag       60
tncagcttgc accanntcct gtggtcatnt ttgnctccgc agcccctnga cattcactct      120
tgggtagcct agaaattggc cacaattgan gactatctac caccattgca aagcnagcan      180
aacacccgtc gtttcanggg attnttnccn tgcaatacac cacnatattt tggggttttt      240
agggttatgn ttcctcgtct gaatttttgt tgggctttta c                         281


<210> 232
<211> 447
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 232
aaacctctgg agattgggtt tcggagagca catctgtgtg tccacatgct gggaggatgg       60
tgagccccat ctccatgggg acagaggctc ctgtgctcag agcccttcca ggcctcaccc      120
tgtgcacctc ttcatctggc tgctccttgc ttatcttcac aggtacagga caaagacaag      180
actagaaatc atccctccac ccacccagag tcaaacgcat atttgacttt tccacccaat      240
gtttactta tcttatttaa aatgcagatt tactgagcat gagatgaatg catagttgac       300
tatttttttc ctctcctggc tgctctttcc cctgtacata ttgaagtcct caaaagcctg      360
ttaggaaaga acatgggccn canaancnac caaggattgg ggcctctggt ttccaagggg      420
cgtcttcagc ttggcaaaat aaacttt                                          447


<210> 233
<211> 118
<212> DNA
<213> homo sapiens

<400> 233
gctgtgagtt cccatcggta tcttgagatc gcccttctgt ctttagcctc ttcactcctg       60
cattcatcac agtgaagatt gctgcatcca tccttccagt acgatggaaa ataaaaac        118


<210> 234
<211> 372
<212> DNA
<213> homo sapiens

<400> 234
ccggtgctct cctgaactca ctattcggga ttcatgctgg acatgtcact gcagctgccg       60
ccgccgccac cgccgccctt gctgccgcag ccgccgccct gactctccgc gccacggccc      120
atttacacac acagtcggat gtatctttct gagacagcac ctgcatcgtg accccacaac      180
cttcaatggc tccacatccc atggatggga gggacacagc ccagagccag cctaaaatcc      240
aattcctacc ttcgtcccgg ccttcaggtt gaattgtaat gtattatctt ttagttgcta      300
ctaaccctga gccattctgc aagactggaa aataataagc aataaaaata tgccatttca      360
ttacaaaaaa aa                                                          372
```

60

<210> 235
<211> 369
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(369)
<223> n = A,T,C or G

<400> 235
```
accgaaagcg aaggaagctc ctgctcctcc taaagccgnn gccccagcga agtctgttct      60
ggtaataatg tgagtaacca gtgaggaact gaggtctccc agcaaccacc tgtgtgaagt     120
tggaagcggc gctctctctc tctctctctc tccagcaacc agtgaggaac tgangtctnc     180
aacncccnc ctgtnnnaag gctggnagca ggtttnctta anctcagtca aaccttgaaa      240
ctgactgaaa acctggncaa cagcttgant aaaacctcnt gagagaccct aagccagact     300
cgcttaccta cagaagcctt tatctgtatc tctgaataaa tgtttgttat tttaagctac     360
taaaaaaaa                                                             369
```

<210> 236
<211> 367
<212> DNA
<213> homo sapiens

<400> 236
```
cacaaagcca gctatacaat agttgtgtgc tgctgaatgg aatttgaagg caatataaaa      60
taatgtacag catcactgaa ctggggatta aaaatcccaa gtttgagtac tgtcttggca     120
atgcactgcc tttgtcactc agaattattt ccactggagg gcagtctcct cttgggaaga     180
aatgaatgcg gatacaacct tcttaacaga ccaaagttta aaatattgac taagactgtg     240
gcattcacat gggtttcatt tcaagacaat ttctgggaga tggagtattt gggataaaaa     300
aaaatgtgta ttctatgtga agatactgcc aaattaaagg tttatttctg tctgctaaaa     360
ctaaaaa                                                               367
```

<210> 237
<211> 266
<212> DNA
<213> homo sapiens

<400> 237
```
atgggctgct gcctgacaag ctggacaatt ggtttgcctc ttcattctgg agagttacag      60
actgagaggg gaagaaatga aatccacgga attcagggca ggctgcaagg tgaccatgag     120
cacattcacc agctcctgat tagaggcaga tgtcgccacc accccgtct tttcatggct      180
tggatgattt aaaaaagaaa tttaaaaaga agcaccaggt gatgcagcag ataataaact     240
tatggaactc atttcccaaa aaaaaa                                          266
```

<210> 238
<211> 413
<212> DNA
<213> homo sapiens

<400> 238
```
agaatcaact gggtccctga aggaggtgct ccagcggcct gctccgtcct gtcggaggct      60
tcctgaaggc ctgtgttctc acctgcccctt agtggaaacc ttctattcat ctgatctatt     120
ttcttgtggg tgtcagggcc catatgtctc catctccctt tccagctcca agatatctgt     180
tatgggctgc attgtatctc cacaaaattc atatgttgaa gctgatatga tttggacctg     240
tgttcctgcc caaatcccat gtcaaacgcc atgtgatgtg tgctttccct ttgccttctg     300
ccatgattga aagtttcctg aggcctcccc agaagccaag aagatgccgt catgcttcct     360
gtacagtctt cagaacgatg tgtcaattaa atctcttctc tttataaaaa aaa           413
```

<210> 239
<211> 456
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(456)
<223> n = A,T,C or G

<400> 239
gtttaaacca atcaaacatt cttctttgga aacaactgat tgcaatattt ctacgctata   60
gtttcactga ttcctgctga cttcctaagg tactgcacac atggaagaga gacaagatct   120
tgtggctgga tgtggtggct catgcctgga atctcagcac tttgggaggc cgaggcgggc   180
agatcactta agccctgcag gaaagtcata atgtggccct ggctggaatg aagcacagtt   240
gcagccttct ctctcgtgtt cttgaaggat tcaaagtgcc cttgcagtct gagaaagagc   300
cagaagaacg ttctccttga gtcctactct gcaaccaagc ctttccgagt ggctgctctc   360
ttgtatactg gggaaagggg ngatgatgtt aaccaaaagg acccagcagc agacatgagg   420
agcaacnaag cncaagacaa gccccccgag ccccag   456

<210> 240
<211> 191
<212> DNA
<213> homo sapiens

<400> 240
tgaggggagg aaatggaagc tcggacagat ggacttgcta ctgggcacgc agaagccggc   60
tagcatttgc agacagcctg accttggagc ctgcgcttga acaccttcct ccactgcttc   120
tgagaaccca gcagtttcca acggcagcct cccttcagaa ggaaaataca ctcttgtctt   180
aaaaaaaaaa a   191

<210> 241
<211> 364
<212> DNA
<213> homo sapiens

<400> 241
cctccagcat ttctacctga tgaaactttg gctcacttct tggtgcctgc ctaattctcc   60
aaatcatcac aggattattt ttggccatgc actgttcatc agacacctca actgccttct   120
cttcagtcac tcatatcagc tgagagaccc agacctagat gcacctgaaa tgccaaggaa   180
gaggaaccac tggatgactg aggaaggcat gaagaaagat gcatccttaa actagacctt   240
caagatggaa tagagttttt aagaaataac acttacactg aattgcttta attatataaa   300
ggaaccatag aacatttgaa aaaatgtaga taagaataaa gatgtaaaga ttcaaaaaaa   360
aaaa   364

<210> 242
<211> 190
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(190)
<223> n = A,T,C or G

<400> 242
tcctacacaa gggattcagn ccgncttang ttctgntaat gacaacngtt cttgaanttc   60
ttcaaggccn gnggtnaaaa ggaaaagcca gccgggcaca gtggctcacg cctgtnatcc   120
caacactttg nngaggctna tgcggncgga tcacctgang tcaggagtgc ganaccaagc   180
ctggccaatg   190

<210> 243
<211> 127
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature

<400> 243

```
aatgccccgt gtgttanaca gnnttcagnc caggccanca aggngcanca cacatctttg      60
ccagtgcacg ggcaggagga caangattta nnactgctna cngtgccctc agaagtttct     120
tcttcca                                                               127
```

<210> 244
<211> 239
<212> DNA
<213> homo sapiens

<400> 244

```
agatagcgtc ttgctatatt gcccaagctg gcctcaaact ccaggcctca agcattgctc      60
ccgtccaaag tgggaaatga atacagctgg gcgtggtggc agatgcctgt aatcccaacc     120
actcaggagg ctgaggcagg agaattgctt gaacctggga ggcagaggtt gcagtgagcc     180
gagatcgcac cactgaactc cagactagga gacagagcaa gactccaact caaaaaaaa     239
```

<210> 245
<211> 136
<212> DNA
<213> homo sapiens

<400> 245

```
acccgcaggg caggaattcc gagtccgggc tggagcgcga tctggaatcc ggctctcttg      60
aaacagcacc gcggaggatt ctgatccgga caacttctcc tcatgaagta cagagtcccc     120
cacctccaaa aaaaaa                                                     136
```

<210> 246
<211> 446
<212> DNA
<213> homo sapiens

<400> 246

```
gactcaggtt tttaattaat tgactggata aacatgtcag gcctctgagc ccaagctaag      60
ccatcatata ccctgtgacc tgcacgtata catccagatg gcctgaagcc actgaagaac     120
cacaaaagtg aaaatagcca gttcctacct taactgatga cattccacga ttgcgatttg     180
ttccttgccc tttccctaac tgatcaatgg accttgtgac actcctttct cctggacaat     240
gagtctcagg agctccccac tgagcacctt gtgaccccca cccctgcccg caagaaaaaa     300
accccctta actgtaattt tccactacct acccaaatcc tataaagaat gcctcacccc     360
tatctccctt ttgcttgact ccttttttcga actaagtcgg cctacaccca cgtgattaaa     420
agctttattg ctcacccaaa aaaaaa                                         446
```

<210> 247
<211> 510
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(510)
<223> n = A,T,C or G

<400> 247

```
ggcatgatct cggctnactg caacctctgc ctcccggctt naagtgattc tnctgcctca      60
ncctcccaag tagctgggat tataggtgca caccancaca cccaggctca tacggaagaa     120
aggacttgcc tntgntcata tgngactntg gatttggact ttagngtgaa tgctggantg     180
atctaacact ttgggtgatn gttggaaagg catgattgtg ttttgaaatg tgangacatg     240
atatttggga ggagccaggg gtggaatgat atggtttggc tgtgtctcta cccaaatctn     300
atcttgnatt gtagnnncca taatccccac atgtantggg agggaccenc cntgaggtaa     360
ttgaatnatn angntantta cctccatgct gtctcatgat agtgtatgan ttctcacang     420
atctgatgat tttataaggg gcttttcccc ctttgctcgg cactcatcct ctctcctgtt     480
```

accctgtgaa ganggtactt tccaccatgc

<210> 248
<211> 241
<212> DNA
<213> homo sapiens

<400> 248
agatagcgtc ttgctatatt gcccaagctg gcctcaaact ccaggcctca agcattgctc   60
ccgtccaaag tgggaaatga atacagctgg gccgtggtgg cagatgcctg taatcccaac   120
cactcaggag gctgaggcag gagaattgct tgaacctggg aggcagaggt tgcagtgagc   180
cgagatcgca ccactgaact ccagactagg agacagagca agactccaac tcaaaaaaaa   240
a   241

<210> 249
<211> 298
<212> DNA
<213> homo sapiens

<400> 249
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg   60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacgg gcatatgcta   120
ccacgcctgg ctaatatttg tatttttgt agagacgagg cttcaccatg ttacccaggc   180
tgatctcgaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat   240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaaaaaaa   298

<210> 250
<211> 397
<212> DNA
<213> homo sapiens

<400> 250
ggacgggggc agagaaattc tagccagaaa agtgtgggtc actgacaaac cgccactctc   60
aagccaaaaa acctgaaacc acaggccaaa gtgagagctt atatacctgt tttcccactt   120
gaatgctgct ttttcctcaa ccacccctgg ccccgccctg cgccatcctg tgcctattaa   180
aaccccagac tcagctagta catgggacta tggctggacg tgggagaaaa gcagcttgac   240
ttcagaagga cagcttaaca gcgtaacttc ggagaagaat ctggctggag atgacctgac   300
ttcaggggaa ggtaatcttc ctaccccctc cgatttacag ctccccttcc cactgagagc   360
cactttcatt agcaataaaa tcccccgcat ttaccat   397

<210> 251
<211> 406
<212> DNA
<213> homo sapiens

<400> 251
gaagagtgct gaaaagattg aggaaactgt tagcgatagc tcctcagaaa gtgaggaaga   60
tgaagaacca cctgaccatc gtcaggaagc aagtgcagat ttgccatcag aatattggca   120
aattcagaag ctggtgaaat atttaaagga agttctagaa gatattttgg accttgattt   180
atctgtctca gaaacagacg attttatcca gcttgtaagt ggcgaaaaga cagtgtttgg   240
atccattcca ctggctcatc catatggggg ccagcaggtg cccagtgtgt gttgttcccc   300
ctggcgtgtc catgtgttct cagtcagctc caactataa atgagaagat gcagtgtttg   360
gttttctgtt cctgtgttaa gtttgctgaa gtgccccaat gccggg   406

<210> 252
<211> 455
<212> DNA
<213> homo sapiens

<400> 252
attcctgggc aatagccaat ggtcttggtt tttggcccag caaatagaaa atggacaatt   60
tctttattcc aaggaaaaga actatggaga tggtccactc agcatcaact ggggcttcct   120
gctttgctca tttctcctcc tttctgctgc catgtgaagg actggtttgc ttccccttcc   180

64

```
accatgattg taagtttcct gaagctcttc cagccatgct gaactgctcc tggatggaag      240
ggacttgcct tgtctcagat aagactttgg acttggactt ctgacttaat gttgaaatga      300
gttaggactt tggaggactg ttgggaatgc atgattttgt tttgaaatgt ttggatatga      360
gatttgggag gggccacggg tggaattaca tggtttggcc atgcacccac ccaaatctca      420
tcttgcattt taattcccat aatcttccca tgtcc                                 455
```

```
<210> 253
<211> 461
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(461)
<223> n = A,T,C or G
```

```
<400> 253
ggcaaagctg agcctgctac ccctgggtgg aagaagactg gctggcatca aaatcaagag       60
cattcaagag ctaatatgaa aataaggctg gagaagttgt gggaaaagtt cctgtggcca      120
tgagacagtt gtttgattct tagcctcttt ctccaaatga tctagtttac taagaagaat      180
ttgggcttcc tctatgggag acagtatccc gtggccatga aaggctgcca ttttgtgggc      240
tgcctactga gagagcccca tgaggacaac ctccagctga cagcaagaaa ccaaggctct      300
agttagagag cccatgagaa actgaatcct gccaatcaca cgggcttggg aacaaattct      360
tcttccattt canncctaan ccntgtgaan atgtgcctga tccctttcct tntgccacga      420
ttgtaagttt cctaangcct ccccagaagc agaagcctgt a                         461
```

```
<210> 254
<211> 490
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(490)
<223> n = A,T,C or G
```

```
<400> 254
atggagtttt gcttctgatg cccangctgg agtgcaatgg catgttcttg gctcaccgca       60
acctctgcct cttgggttca agggattctc ctgtctcagc ctccgagta gctgggatta       120
caggatatga tgacataagg gatgatgtat gttcaaggta gcctcagagg aagcaatacc      180
tcgaggtagt tcatctaagt ggggacattt ctgcaggatt tcaaacgacg cagctggtgt      240
gaagcattgt acatttcaag aacaccagat acagatgtat aagaaagtgg atgaatgaaa      300
acaaactcaa aagtacattc aaacggagca ctttggttac cctggactac tgtattttct      360
acccagccca cttccattga tgtaacatcc taccatctag aagatcctcc tgtttttaaga     420
cactatcttg caaatgcccc tgctccatac tcagactact gcaattacac agtaagatta      480
atgaaaaaaa                                                            490
```

```
<210> 255
<211> 314
<212> DNA
<213> homo sapiens
```

```
<400> 255
agatgagaat cttacttttt ttttggcggt gaagcaggct gtgaaccagg actgcctgac       60
acgaaaatcc atgtcctagg ctcaggctgc cctctgaaat ctcctcttca cagggaagca      120
gtgggtttag gcctgggatg gattggaatt agaaaatgtt tcttcactgt ggagttcgag      180
aagccccgtg tagagctcaa gcaactgagg agttggattc caccccgtca tcactttcaa      240
gcctaaaatc tgatgaggga ctgaagctga gcagggaaat cagaaaataa aaatgagaaa      300
tgtaaaaaaa aaaa                                                        314
```

```
<210> 256
<211> 254
<212> DNA
```

65

<213> homo sapiens

<400> 256
gtggggtctt tcaggacaaa tggaagagcc acacacaggg aggaggagaa ggctgtaaga   60
agatggaggc agaggctggg tgatgcagcc gtagccacca aataactgga gccaccagaa   120
gttggacgag gccagtaaag gtccctgcta gaaccttcag aggaacacag cccagccgac   180
aaatttattt caaacatctg gcctccggaa ctgtgggaga ataaattttg gttgtttaa   240
gtcaccaaaa aaaa   254

<210> 257
<211> 555
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(555)
<223> n = A,T,C or G

<400> 257
tagttggttt gtttggagcc agagtctcat tctgccgccc aggctggagt gcaagggcat   60
gatctcggct cactgcaacc tccacctccc gggttcaaga gattctccat gcctcagcct   120
tccgagtagc tgggactaca ggcgtgtgcc accacgccca gggtttctaa ccgtggcact   180
actgacatct gggctgcaga gttctctgat gtcggattgt cctgtgcttg taagggtcat   240
ggatgaataa caaaagttgg tattcctgta gattaagatg aaatggaaga gaagaaagag   300
ctttcactta cttgctcgaa ggactgaagg tgtgacctca atttcacttg ttgcttggta   360
aggctgaaag gctgagacat tgttggtgcc aagctcacta ccaaatatct ctggctctgg   420
tacccgtgga actgcactgg tgccatcacc tccgngatgn ggatcctgct natnaaacac   480
ttgttccagn tanaaatgaa agggtaaatg tncccttata aaataanggc ccttaattaa   540
ctacccaaaa aaaaa   555

<210> 258
<211> 333
<212> DNA
<213> homo sapiens

<400> 258
ggagaaaagc ccgctgaccc tgtgaggctg gtccctacat ctggcgctcc gacatggggc   60
tctccctcgc tgtgtgaagt tgcaccttga gtgcgggact cagcagagga tttcgacgac   120
agattcctga ggattgcggt caataagctt ggtgtctgca gatgcctcca aggagtccgg   180
aaacaagtcc aaagtcaacg acaagcaatg atggtgatgg cgatcctagt taataaaaag   240
ggggcagatg tgggtggcaa gccaatcagg tgccaaggca agagaccgag ggcacgagct   300
gttccaatat aataaaatat ataaaacaag aaa   333

<210> 259
<211> 119
<212> DNA
<213> homo sapiens

<400> 259
gaatggactc ttttaaccct gtgtacaaag tggacgtatt tctaccaccg aatgaagaaa   60
caaatgaatg gaatgttcac ggccaagtcc tcagcttaat tcatatggga aagaaaaaa   119

<210> 260
<211> 298
<212> DNA
<213> homo sapiens

<400> 260
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg   60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacgg gcatatgcta   120
ccacgcctgg ctaatatttg tattttttgt agagacgagg cttcaccatg ttacccaggc   180
tgatctcgaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat   240

66

tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaaaaaaa   298

<210> 261
<211> 502
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(502)
<223> n = A,T,C or G

<400> 261
ggagaaaacc cgctaagccc cgtagggctg gaccttacag attgggaggc tgacagatgt   60
gggatcaac cccatatctg cctcttactg gctgngagat ctggagcatg atgctttgcc   120
tctctggacc tcagtttcct catctgtaga atggggacaa taacttcaca gtaggtttat   180
tgtgagaatt taattaatat ctgtaaatct ctcaccacaa gaacagacac agggtagacn   240
ctattcatgc cacaaagatt tagagagcat nttctcagta ccagcattac acaaaggctg   300
ctgaggccct ggnaacagtg acgtggttcc ttctctccag aagcaaaagg aaacacaggg   360
tgtggtgaga gataaccaag gctgggccgc agcggggagc tcattcagag agggtgctta   420
ggaggtgaca tttaagctga nncccaaaga gtgaganggg gccnagcnta ttgagagcag   480
aaggacgatt tttcccgcag aa   502

<210> 262
<211> 315
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(315)
<223> n = A,T,C or G

<400> 262
tccccgggag ctcgcagggc tgcgacgcct tcctgcggct ataaaatgac atctcatctn   60
gcccatcatt ctgnnnaaag acnggatccn cttcccccgg gaagactgct ggnagncccn   120
ggnnntangn ggtncccaac nctaaggacc agggaccggg cgccgccttc cagctnaatt   180
aagcaanccc ttccccanan ctcaaagcct gcggttcant ggctgccctg aactttggca   240
aggaanatct ggaggggggcc cnccctggnc atcttctact aaatgggcct nnggcttccc   300
ctcttttcca tccag   315

<210> 263
<211> 453
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(453)
<223> n = A,T,C or G

<400> 263
aaatgtttat gacttgaaaa ctctgtcttc tggactgatc catgcttacg atggtagctc   60
catgatgcct gagaggaggt gaaacagtca actggcaaac tttcagggat gccaaaggag   120
ccaaagaaag tttattccac aaatcctgga aaagttcact aaagatgaaa actgggtggt   180
ggtcatgaca catatttcac ttttttcaga aagtaaaaat gtctggcaaa gcaagaagaa   240
agatctttca agtgcacaca aagattggct ccttccccaa attaatccct ttactaatta   300
gtcatggata cttctggtta cctgattttc atggcaaggg ccctggcaat actcagtcaa   360
gctctccagg ttctgggtgc caacgcttcn tttttntaa tggntgnaaa aacccaacag   420
gcccaggccc cggttgtctt ccacaaatgc agt   453

<210> 264
<211> 204

<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(204)
<223> n = A,T,C or G

<400> 264
taacttacca ttttacatat ggtgaaactg gcaaaaggct gtctgaacta cactcatatc   60
attcaagtct cacctgctnc agtgaaggga caaaggtgcc aggatgcaaa gccagaatgt   120
gagcagtgac caccacactt gacaaatccg ttgttgcaca catttgtact cttcaatcaa   180
caaaacctga tgcaaaaaac agaa   204

<210> 265
<211> 483
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(483)
<223> n = A,T,C or G

<400> 265
ctctttcagg gaacagatca gctttttctg acagacagta antgagatga actagcaaag   60
acacaggagt aaggagtttt tcctaaagag agaacaagaa tggggaagaa acgagggaag   120
caaagggcaa atgtctgtct cccccagggt acaagcttca caagaaggag gtgtaatatc   180
agcaacacag agagccagct aaggctcatc cagtcatgca acaaatacct cctgagcatc   240
tactatgcag tgagcactat tctgtgccaa ggacacaaca ctgaacaaga tgagcgagct   300
ttctgctgtc cagctcacct tctagagggg gaaggagttt tgccacagcc atggccctgt   360
gcttgccaga ccgtttgcag ctcacggccc attcacataa cagcgtcacc acagcttcat   420
cgttgggcgc aacctaatga ccaacagaga ggggtaccag ccacatcaaa tgaaacattc   480
acc   483

<210> 266
<211> 349
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(349)
<223> n = A,T,C or G

<400> 266
taaaagggtt tggttttgca cctaggctgg agtgcantgg gtggtgaccc ataagttccc   60
tgcaagcctt tgacctccca aaacacaaag tggtcctttn cacctcagcc ttccaaagca   120
agctgggact acaggcacac catcatgtcc agctaatttt taatttttgt agagatgggg   180
tctccctgtg ttgccagggc tggtctcaaa ctcctcagct cgagtgattc tcctgccttg   240
gcctcccaaa gtgctgggat tacaganaca aaggctcgct ctatcgccca agctggantg   300
tggttggccc tgcaaacagc tatgattctc tagttaacct atttggatt   349

<210> 267
<211> 157
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(157)
<223> n = A,T,C or G

<400> 267
tgagggattg atcattaatg ggcttaacta tccttncatg tnancctctc aagnacctgg   60
gactaccgtg catgccacca caccttgctt anntctgtgt ttncnccccg dacanagctn   120
ggccntgtaa cccaggctgg gccttaatgc ctggggt   157

<210> 268
<211> 266
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(266)
<223> n = A,T,C or G

<400> 268
aaccagacta tgaaacctgc tggctgaact acctggactt ncaccnctgt ctgaaggcgg   60
tgaccgctaa aggangncat ttctntgtgt gcaaatggna ccagaagtgt gtaccacacc   120
ctctgcccca natgatggat ccaaacnggg ataatcaacc cggctgaagg cctctttcnc   180
gggaanatct gaacnggctc gganctccct ttactagtgt ccttntcctt ngccacgatn   240
gtgaactggg gacctgtgac cctctg   266

<210> 269
<211> 294
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

<400> 269
caggctgaat ggcaagcgga tggcacaggg cttccgcgta aggccngcat ngnnngaatn   60
atggntatct catnttgctg aggcccaccc ccttcaaaag gttgagacta aaaaaaacaa   120
ctgacataat ttgtgccgct ggcacatagt taacactcaa taaggccggg cgcantggct   180
tacacctctn atcccnntac tttgnnaggc tgangcaggn ggatcacttg aggccaggag   240
ntcnatacca ncctgaccaa catggtnaaa ccccatntca actaaaaata caaa   294

<210> 270
<211> 216
<212> DNA
<213> homo sapiens

<400> 270
ccatgaatgg caggtcacag gatcctcatt ccagaggtgc ccgccccata tccagaggaa   60
agaaacatct ttaactctga agacacaggg atacagaaga atctgaacaa acagccttgc   120
taaattctcc ccagtttatt cccattagat cacacccact ttatccaatt atatttctcc   180
atgactgtcc agtcttcctc aaacttaagc ataaaa   216

<210> 271
<211> 416
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

<400> 271
agccccatgc cagcgtgtga tgatgacaca gtcnctggtt tggagatnca caanaacnac   60
tattaactta tggatttgnc catcntggng antataacaa tactggacat ctanaaggaa   120

```
ccntcannnt gccngatgac cctgagttna ggtgnaggat gacgcgctca cttgcagatc    180
tcggcctacc ctgggccaag tgatcgtcca cctcaaccac ccaagtacnc tgggatnact    240
ggtgtgcgct accacacctg gctaattntt gtattgatng tagagatngg tntntgccnt    300
ngnacnnacg atgntctcta acatactggc tgaaanaagt ctntcttgtc ttcccaaaag    360
tgctganatt acccggcgtg agccacttgc gctnagccta ntttgacttt ttattg       416
```

<210> 272
<211> 570
<212> DNA
<213> homo sapiens

<400> 272
```
tccttctgac cctcgtggct tctcctgctc caaggccaag ctcgggaccc tgtcatcatc     60
cccggggaca ggccccatct tagagaggat ccacccagct ccccgctcct gagccatctt    120
ccagctatcc cgcctcgaga ctcccaccgc acctgctcct gggctgcagc tgcacccaac    180
aagtcaacat gtggattgct tctagaattt ggatattatg aacactgctg tgctgaacat    240
tcttgtacac ttatatggtt tggctgtgtc cccacccaaa tctcatcttg aattgtagct    300
cccataattc ctatgtgtcg tgggagggac ccagtgggag gtaattgaat cataggggca    360
ggtctttccc ctgctgtcct tatgatagtg aataagtctc atgagatctg atggttttat    420
acatgggagt tcccctgcac aagccctctt gtctgccgcc atgtaagatg tgcctttgct    480
tctcctctgc cttccaccat gattgtgagg actccccaac catgtggaac tgtgagtcca    540
ttaaacctct ttcctttgta aattaaaaaa                                      570
```

<210> 273
<211> 256
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(256)
<223> n = A,T,C or G

<400> 273
```
ctctccagtc atgccaccca cggatgtgga ccattgtcct ttacccagtc tatccagttc     60
tgaagacact tttttcagaa tctcttttga agctgtcctt gacctgtttc tcaagactgg    120
aattctgctg ggtgccgtgg tgcatgcttg taatcccagc actttgggag gctgacacag    180
gaggatgnct tgaggccatg agttcaagac tagcttgccg cacaacatag caagattctg    240
tctctacaaa aataaa                                                     256
```

<210> 274
<211> 199
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(199)
<223> n = A,T,C or G

<400> 274
```
gttgcccacg ctggtnttga actcctggcc tcaagccact ttcctgcctc ancctctcga     60
gtagctgcga ttacagacaa gcacaagcca ctgtgcctgg cttaaaatac ctttttttgac   120
ttaacatttt tctttctgtt ttttttttcgt ttcctttctt ttcttctcat tacattaaag   180
ngattgctac aacaaaaaa                                                  199
```

<210> 275
<211> 669
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
```

<222> (1)...(669)
<223> n = A,T,C.or G

<400> 275
gttgtgggat ataagggagg aaaacgacag ctcttcttca ccttcacgtc agctgtcccc   60
agtgccctgc ccagaaggac acctaccgaa aaagccctgc cagctgatgg aaaagctcga 120
ccatgcacca gctgatctct ttaaaagtta aatctttaag cattaatgca gtgctgaagg 180
agtattaata ttttgcccc tgggcaaagg aacacttgct actagagaaa caggagtgct 240
ctgccagctc atcttggctc cagagaaggg cttcgcactt gtgaaatgtg ttgctcgtga 300
aacaatttca agactttggg aatgaatagc tgccacccat acccgctagc tcctccacca 360
gccctcccta tgccacgttt atgatgtctg agctcctgct atgactattc cagtcccatg 420
atgtcaactt ggacttggct gttaaatang cctcctctcc ctggggctag cacaaaggaa 480
gcctgtcgag aggcagccag gcttcctgac cacaatttcc tgcacctttg ctcaaagtgc 540
cacacgtaaa aaatttatg gctactaatc aaaccagggc ctgaaatcac agaaggggat 600
gctgactgtc tgctccccac agccctcttt gtttgattaa gccattgnat cactccggtg 660
ctatttaag   669

<210> 276
<211> 129
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(129)
<223> n = A,T,C or G

<400> 276
cacctacaac tgcttattct atggaattta ntgtaaagcc tgtgaaagtg ccaactcccc   60
gagttggtgg atatccctaa actggcaaga ttaggatttt taaataaaga ttggattata 120
actctaaaa   129

<210> 277
<211> 144
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(144)
<223> n = A,T,C or G

<400> 277
gctcaagacc gagtctggct gggctttttgg cctatgatta caaaggctag ccntgatnct   60
ctangacata catgacancc ttntcttcng tggttntgac gacntcnnac ttggactgat 120
ccactgcttc agacattcca tggt   144

<210> 278
<211> 424
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(424)
<223> n = A,T,C or G

<400> 278
accactatca tggccgtgca gntaacaaat tgctcgngtt tttcctcaag acagctatga   60
ancaaaagtg cttcatgcac agcttccatt ttgtcacaaa aagttgtgta tgcaagagtt 120
gagactgaat aaaattaatt catacagctt tgtcanggac attcttaagt gaaactagca 180
tctgtatttt ttaaagcaac aaggacatgg tgacactcac tggtccacac agnagccagc 240
ctctttaagg agatgtgtta tncanccctg ncaaagcnnc agcaggcnca tcnttattgc 300

71

```
ntgnngcnct ctctgcaanc atggnttagg agccanccac acttntaagg nntctncaca      360
tangaanctc atacaccacc tcacaagtgg gctttgtttc catggagaca ggttgcccag      420
ccga                                                                    424


<210> 279
<211> 336
<212> DNA
<213> homo sapiens

<400> 279
gtggggtctt tcagatcaat catcaccatc gtcatcatca tcatcatcat catcgggact       60
gtcatcttca gggactggca taaaaggaag gaattacaga ggcaaatccc ttccacacac      120
gcccacccct aactgcgaga acgctggcac ctcggtctac agggaaatgc agtacttgct      180
gattctttta aaaagtatac attttggcca ggcgcagtgg ctcatgcctg taatcccagc      240
actttgggag gccaaggtgg gtggatcacc tgaggtcaag agttcgagac catcctggcc      300
aacatggtga aagcccatct ctactaaaaa tacaaa                                336


<210> 280
<211> 440
<212> DNA
<213> homo sapiens

<400> 280
atggagtctt aatctgtctc ccagactgga gcacagtggc accatctcag ctcactgcaa       60
cctctgcctc ccgggttcaa gcaattctcc tgcctcagcc tcctgactag ctgggattac      120
aggcgcctgc cgtcatgcct agttaatttt tgtattttta gtagagatgg ggtttcacca      180
tgttggccag gctggtctgg aactcctgac cttgtgatcc gctcaccttg gcctcccaaa      240
gtgctgggat tacaggcgtg agccactgtg cccggccgga tctgatggtt tttccccgtt      300
tgctcggcac ttctctttcc agtcaccatg tgaagaaaga catgtttgct tccccttccg      360
ccatgatttt aagtttcctg aggcctattc cctagccgca ctgagctgtg agtcattaaa      420
cctctttcct ttataaatta                                                  440


<210> 281
<211> 369
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(369)
<223> n = A,T,C or G

<400> 281
atggagtctc actctgtcgc ccaggctgga gtacaagtgg cgcaatctcg gctcactaca       60
aactccgtct cccgggttca agccattctc ctgcctcagc ctcccaagca gctgggacta      120
cagacgcccc ccaccatgcc cggctatttt tttttttattt tttgtanana cggggtttca      180
ccgtgttagc caggatggtc tcgatctcct aacctcgtga tctgcccgcc tcggcctccc      240
aaagngctgg gattacaggc gtgagacacc gcgtctggct aattatggtt attcttatca      300
tcatcatttg gaanaacagt tgtaaataaa gagagtaaat aaattatcct ccttgttcct      360
aaaaaaaaa                                                              369


<210> 282
<211> 224
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(224)
<223> n = A,T,C or G

<400> 282
actggtaatc tggctcaacc agcntgccat cccacccang aacagaaaac agcnagaaaa       60
```

72

```
actcncttca naccccctag gattccatct ccaatctnac canccannac tncccacttn      120
caaagcccat acctgncana tnatctttaa aaactctgac gccnaanngc tcagggagac      180
ggatttgagt aataataaaa ccccggtctc ccgcacaaaa aaaa                       224


<210> 283
<211> 368
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(368)
<223> n = A,T,C or G


<400> 283
atggagtctc actctgtcgc ccaggctgga gtacagtggc gcaatctcgg ctcactacaa       60
actccgtctc ccgggttcaa gccattctcc tgcctcagcc tcccaagcag ctgggactac      120
agacgccccc caccatgccc ggctattttt tttttatttt ttgtanagac ggggtttcac      180
cgtgttagcc aggatggtct cgatctccta acctcgtgat ctgcccgcct cggcctccca      240
aagtgctggg attacaggcg tgagacaccg ngtctggcta attatggtta ttcttatcat      300
catcatttga aagaacagtt gtaaataaag agagtaaata aattatccnc cttgttccta      360
aaaaaaaa                                                               368


<210> 284
<211> 204
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(204)
<223> n = A,T,C or G


<400> 284
tgggggctca cacctgtatt cccaacactt tgggatgccg aggcaggctg gatcacttgt       60
ggnnnacagt tcaagaccan attgggncac ntggngaaac ccnntcttta ctncnaatnc      120
naaaattacc cattgtggtg gcccacgcct gtaatcccag ctactcagga ggcctgatgt      180
gggagaactg aaccctggag gtgg                                             204


<210> 285
<211> 677
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(677)
<223> n = A,T,C or G


<400> 285
tgcattctcc tgaaaacata agaccatttg actgattctg ctccagaatc ttattgaggc       60
aaaggactgg accgaattat tcatggaaca gaagcctagg actgatagga aacacccagg      120
gagaaggcca cgtgataatg gaggcagaga ctggagtgac acagctggga gccagggaac      180
atcaacgatc accaagtgtc tccaggaacc atcaggagct ggaggggcgg gaaggatctt      240
cccgggagca tggatttgta gacaccttga ttttggactt ctgccctcca gaactatgaa      300
agggcaggac agccgtgtcc tacatttccc gccatttccc catggtgatg gagctgcagg      360
ggtcctgaga gagggacgct cacaaggtcc ccgcaccact tcccgagggt cccagaatga      420
cagattcgta ttctaaagga ataaagcatc atggaattgc tggggccccc atataggaat      480
tgctgggcc cccatatagc tgctctaagc cctgtcatcc ctcctctcct gtggttcgtc      540
tctcatccac tgggtgtttc ttcttcaact gtttgttgnc aagcttncaa tacatatgta      600
tgcatncaca accagtatgt gggnttttnc angtttttaa aactcattaa tattattcca      660
gagcccatca aaaaaaa                                                     677
```

73

<210> 286
<211> 163
<212> DNA
<213> homo sapiens

<400> 286
gtcgctcagg ttgccgtgtg gagaatggat tattggcggc aagaccagaa gcagggatac   60
cagtgaatgc aaaaattcag gcaggagatg ctggtggctt ggaagaaggt gtcctggtaa   120
ctgtggtcag ggaaagaaga aggggaaatg aatacaaaaa aaa   163

<210> 287
<211> 243
<212> DNA
<213> homo sapiens

<400> 287
atctatttgg agttttggaa aatatgtgtt ccatctgaac cctgccctca ccgaaattca   60
gaagtaggca gtgtgttttc tctcacactt aggatgtttg gctgagaagt gtgatgagtg   120
ccttccctcc atttgtgcaa aagaagcctc tttgaattct ggagtggaat gaagaaagtc   180
ctttcacagc cacaggataa aagtgatggt gatgatattg aaaataaaac atggaaaaaa   240
aaa   243

<210> 288
<211> 268
<212> DNA
<213> homo sapiens

<400> 288
gaactgagac ttttccttgt gtctggatga ctagtttcca ctgggtgagc agctgcagca   60
agcaacttca gggacgaatc aaggagtgtg tgatgcatat catttacttc ccggagcagg   120
aagttggtaa agccaaatag tacatcttcc ctccaatctg agaagtcaac aagtaaaccc   180
tgaagagaat tttgtgcaat atgtcgcaat tcatcatcca tatgaataga gagcctgtga   240
aacgaataaa ggaaaataaa atcaaaaa   268

<210> 289
<211> 379
<212> DNA
<213> homo sapiens

<400> 289
gaagttatga ttaagttact gtgatctgta acacagaaga gaagatgaag cagctgatga   60
ccacagagat ccctttctgg aaggatgtga ttttccagct actaagtggg agcagtcatc   120
ttgagacact tttcaagaac aaattaccca gcagtgtgac cagaaagaag agatagctgt   180
aactacttga ataactacgg ccctgcaaac tctctcttct cccctcctct ccttcctgga   240
gaagcaagag ccagacacgt gtcaagcact tctgatgtag gaggcactgt gctaaactct   300
tcacagacat catctccttc aatcccccaa tcatgctgac acaagctata ttattcccat   360
ctttctagag atgagatgg   379

<210> 290
<211> 117
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(117)
<223> n = A,T,C or G

<400> 290
cagttcgctc ctccctgata agagttgtcc caaagggtcg cttaaggaat ntnccccca   60
actttccccn caaaaaggg gttttttttg nnccanttgg ggccttttac caaattg   117

<210> 291

<211> 457
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(457)
<223> n = A,T,C or G

<400> 291
actactgtac gattgagcat ttgagcactg ttctcantga ctttatatgc atataactcg   60
tgcaaatnaa ccccaggata tgggnnntgt natnacccat gcccatnttt cagatgagca   120
aacggaggcn cacaaagccc ctgtgatttg ccccaaatnn nacaggtcct cagggagccc   180
catgttgtca aatccaggag agacagtccc atcattattt caaaccacca ttcagtactg   240
ctgacccagt gggccactcc agccttctca ccacccctcc tcccttgatc ctgtcaacac   300
cacctgccta cctccctggn cacacacctt nctggggtcc gccttttttt nctccctttt   360
gggggggggcc cacctttgng nggggnngt ttntnccctc caaagggngn aaaactgccc   420
cctttgaagn angggatctc cacttggttc ctgcctt   457

<210> 292
<211> 172
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(172)
<223> n = A,T,C or G

<400> 292
ggctgagaag aatctgaaca aacaggcctt gctgganttc cccttcagta aattgccatt   60
tgcttgcact ttttgtcgaa tcacattttt acatggngtt aaccaaacat aaaatacagc   120
cttncctggg tctttgcatn aacatttctg aaggttcccc tgtcacataa aa   172

<210> 293
<211> 609
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(609)
<223> n = A,T,C or G

<400> 293
agtctttacc agcgagaagg tcctcaccag atgcagctgc tcaaccttgg acttctcagc   60
ctccgtaatg cctggagtgc agtggcgtgg tcacagctaa cagcagcctc gacttccctg   120
ggctcaagtg atcctcccat ctcagcctcc tgaatagctg ggactaagag atgggatctc   180
actgtgttgc ccaggctggt cttgaactcc aaacctcaag caatcctcct gccttggcct   240
cccaaagtac tgggattaca ggtgtgagcc accacgcgcc tggcctattt tttctttct   300
actgatttct gctgtataag aaacatcttg atatgtgaca caagaatttt gatcagataa   360
atgtaactta tgaatttggt aaagtatctt gaggtaaatt tgtagaatta ttattatttt   420
aaagttcctc attaacctgt atttaaatat ccatgttctt tttgtctcct gtctttaaaa   480
caagagatac taagggtgna aatgaaacaa tatatgaagg caaataaaag gtgatggaaa   540
actgncaaat gcttaaaaac accctgggtg ctagcaatgg tcactaagag ataaccactg   600
agaaaccaa   609

<210> 294
<211> 212
<212> DNA
<213> homo sapiens

<400> 294

75

```
gatgaattat ctgcctgaaa tggtggcaac tgcagctgta gacctcaaac tgcagtacac      60
attaagcaat ccggcttttt ctaatgtcat gactttcctc tgcttctggg gagcacttct     120
agcattagta atggcacttc ctgtgggtcc catggtgtta ttcaaggttt aaactattgc     180
attaaacatg atgaaaaatg tgcaaaaaaa aa                                    212


<210> 295
<211> 152
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(152)
<223> n = A,T,C or G

<400> 295
tgataacgaa tacaanagaa nacgaccaca tnacaggatg ctgcgcttta ctgtaggatc      60
ctcctgggag gataattgnc canaanttgt ctncnnnccc ccagatctca ncgagcaaga     120
aataaattat acctgaatgt tttaaaaaaa aa                                    152


<210> 296
<211> 366
<212> DNA
<213> homo sapiens

<400> 296
agagtctaca tttctgttgt tttaagccac cctgtttgtg gcgctttatt gcagcttccc      60
taggcaatga acacactgct gttcctaact tgttccgtac ttgtctccca caccccgccc     120
cctggctgtg agctggttaa aaataggaac cttgtcgtcg tcttcaccct aaacccctag     180
tacctggcac aggtctggca tatagcagga ctcagtaaat atttgtagag tgaatgaatg     240
gcaacttaaa acattaaatt agcagtattt atagcactgt gagtcatttt tattttctcc     300
atgtgacata ctgtgttttc taaagttact acttaagaaa ctgtattaat gttataataa     360
agaaaa                                                                 366


<210> 297
<211> 427
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(427)
<223> n = A,T,C or G

<400> 297
cattactgat atgtctacca cagagctgct gggaatacaa aaagaactaa ggcaattccg      60
atagcttaag ttattcccag aggagacata cagaaacaga cttttacaat ataaggaagc     120
aagtatgatg acagacacca tcactgggta ctgctactac atgagttcac aggaaggatg     180
tcaggattat ccaagcaagc tgtcagggtc aggcaggcct tgtagagaag acactcaagg     240
tgcagtggct catgcctgta atctcaacac ttcaggaggc taaggtgagg aggacagctt     300
gaggccaaga gtttgagacc agcctgagca acacaacaag aattcntttt ggaaataaaa     360
actttttttt ttaaaaaatc tacgtttgag gtccctttta caataatctt gattctattt     420
tgatgcg                                                                427


<210> 298
<211> 113
<212> DNA
<213> homo sapiens

<400> 298
gggatgacac agcatgaagg ccctcaccag atgcagcccc tggatcatgg acttctcagc      60
catcagaacc atgagccaaa taaactttta ttgtttctaa aaaaaaaagg gcc             113
```

76

<210> 299
<211> 420
<212> DNA
<213> homo sapiens

<400> 299
gatagaagaa gtagtatctt ctcacagtgt gtgaagactc attctcccaa aagatgagca   60
caaaggaata gatgctgaga atatcaatgc ctgtgacatt tgctgtctcc cataatgact   120
gccatgggag gacttgggaa gcggactgca atctgatctc aagtcttctg actcacactc   180
tattttggac tgcctttgtc ttggatctgg agtatagaaa cacctatttc gtggtcggta   240
ggcagtttaa caatcacata cacaatgaag caatcagaaa ggtgagcagg tgaatattct   300
ctttcagagg ataaattact ttttctagga aaatgattat tggctgacaa tgaggtggta   360
atttacttcc ctctagacta taataaacaa aaatacaaag taggacaccc gaaaaaaaaa   420

<210> 300
<211> 427
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(427)
<223> n = A,T,C or G

<400> 300
gacaatggag ggaccaggga agcagtacag gatggggagg acaggaccag aggcccggta   60
cctttaagct ctacctcgcc aatgccctct cgcctagtaa tccgtgcaca cagcctgctg   120
tttgccatgc agaatgatgg cctcaagttc atggaaatgg tgctccatgt ccttcagggn   180
ttctgttgcc caggctgtag tgcagtggca caatgtcggc tcactgcaga ctccatctcc   240
tggactcaag cgatcctccc acctcagcct tccaagtagc tgggactatg tgttgattca   300
ccaaaaagac atcaagaaag gtttttggaa tctggtnatg tcattcatcc tcaacagcgg   360
cgcatatacc tncctagatg ccaggatgat ctataatgcc agtcaacgac gaacaccagc   420
ctttcgg   427

<210> 301
<211> 354
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(354)
<223> n = A,T,C or G

<400> 301
gactttccca atttgagaac tgaagagtcc tgcatcctgg gaaacccttt gcatctgaaa   60
catcagaaat ttggtcaacc taggaagaat gctacccact gaaaattgaa acggactgga   120
attgaacaag gaaaacatta gctgattgtg cacactatgt atgcgggagg agtaggncgc   180
ttgaatggag tcacaacgtc atggtaatct gctcctggca gaaactgcga tggatttggt   240
tagttttgac tgagtttctg aatcagagtc tgcagatgtg gaagccacct ctggagagaa   300
agccaccgtt gagaacaagc aatgacagct gtggcggttt tacaaaaaag aaaa   354

<210> 302
<211> 578
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(578)
<223> n = A,T,C or G

<400> 302

77

```
gtggggtctt tcaaaggtac gctcgagcgt ggtcattgag gacaagtcga cgaagagatc      60
ccgagtacgt ctacagtcag ccttacgacc tttgaagttc tacaatgaac ccatcagaga     120
tgcaaagaaa agcacctccg cggagacgga gacaccgcaa tcgagcaccg ttgactcaca     180
agatgaacaa aatggtgacg tcagaagaac agatgaagtt gccatccacc aagaaggcag     240
agccgccgac ttgggcacaa ctaaagaagc tgacgcagtt agctacaaaa tatctagaga     300
acacaaaggt gacacaaacc ccagagagta tgctgcttgc agccttgatg attgtatcaa     360
tggtgtctgc aggtgtaccc aacagctccg aagagacagc gaccatcgag aacgggccat     420
gatgacgatg gcggttttgt cgaaaagaaa agggggaaat gtggggaaaa gcaggagaaa     480
tcagattggt actgtgtctt gtgtagaaag aagtagacat aggagactnc nttttgttat     540
gtctaagaaa aattcttctg ccttgagatt ctgtgact                             578
```

<210> 303
<211> 212
<212> DNA
<213> homo sapiens

<400> 303
```
gatgaattat ctgcctgaaa tggtggcaac tgcagctgta gacctcaaac tgcagtacac      60
attaagcaat ccggcttttt ctaatgtcat gactttcctc tgcttctggg gagcacttct     120
agcattagta atggcacttc ctgtgggtcc catggtgtta ttcaaggttt aaactattgc     180
attaaacatg atgaaaaatg tgcaaaaaaa aa                                    212
```

<210> 304
<211> 507
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(507)
<223> n = A,T,C or G

<400> 304
```
aactaaaaac cctggatgtt atgtataaaa taaactcgag aagactttga aggatggaaa      60
aaaaggatgc agaactattg gaaccttaca acgagaggaa cagcataatg atttcaactg     120
acaagttttc tgcaagaaag atgcttctct ggtatctgct gagatcattt gaaatcatgg     180
tagaacgccc agaattatgg gctcntcttg aaattggata tcatcaaacg aggcactaat     240
tacagaacaa ttaacaaaag cctaaaaggg tgtaatggag aatttctaat gaatcctgac     300
ttatcatggc tgaaagaaga cttgaagttg gattaatgta gaaacactgg aattctactg     360
aaggagctgg tgcttgattt gatagaaaaa aagaattatt acactgttct attcccttttt     420
tcagtttgta aaactcctca gacaattgtt ttctaagaaa ggattaaact cctatatnaa     480
atggnttttt gatttttaaa aaatttc                                         507
```

<210> 305
<211> 395
<212> DNA
<213> homo sapiens

<400> 305
```
caaggaactg agggtggctt tcagccaaca gcccttgaag aagtgaatcc tgttgaaaac      60
catatgagag aaaaaggtcc taatacacag aaagaaacag aaggagagat ggagattaca     120
agagttccat tagttcatgg cttcagtgac caggaatatc catcttcttc ctatttctgt     180
gagccaatac attctctttt tacttaagca agttggagtt gggctttttta taacttgtga     240
cccaaagttc tgattgatat aggaaacaga tgccgaagat gccatatatg ttactgtgaa     300
atcaaggaga ttgaagacag aaaaaggatc atttcctttg acttttaatc tttaatagta     360
atctctgaaa atgtaatctc attatactac tatgg                                395
```

<210> 306
<211> 427
<212> DNA
<213> homo sapiens

<400> 306
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```

```
gaggaagagg cagagcaaga cggctcaata gaagcctcca ctaattgtcc tccccactgg      60
aacaccaaat tgaacaacta tccacacaaa gaagcacctt cgtaagaacc aaaaatcagg     120
tgccagacag aaagtcatct ctctgctcaa ctgagacaaa tgcagattca ttgagccaga     180
ctaaggcata agtgactatt cctctatgtt ccccaacatg taaattgtgg attcagtgaa     240
aggctgattg aagagtcaga agaatgtaac ttttgtctc ttatctacct ggaaccacac      300
cttatctacc tggaactgtc ccctccccgc cccccaatc ctgccctgtt tttgagttgt      360
cctgcctttc tggaccaaat caatgcacat cttacacata ttggattgga tgtctcatat     420
ctcccctt                                                              427

<210> 307
<211> 369
<212> DNA
<213> homo sapiens

<400> 307
ggtcccacta tgctgcccag gttggactca aacttctgga ctcaagggat cctcctgcct      60
cagtctcctg agtacctggg actaaagatg tgtaccactg cacctggctt ggtttacctt     120
tttatgctgg cctttgtctt tgacatatat cactttatat tacattacag acacaggtgg     180
tcaaatccat ggagcaaaag acttgtaaca ttatctgcta tgtttcaatg tgaggagact     240
tctcagttgg ggtcatacta ctttctgtct cagcccattt tctgctgcta taacagaata     300
caacagactg ggtaatttat aaagaaaata aatttatttc tcacagttgt ggagcctggg     360
aaaaaaaaa                                                             369

<210> 308
<211> 477
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(477)
<223> n = A,T,C or G

<400> 308
agcctcgctc tgtcacccag agtgtggtgg catgatctca gctcactgca acctccacct      60
cctgagttca agcgatcctc ccacctcagc ctcctgagta gctgggactg caggtgcgca     120
ccaccacacc cagctaattt ttgtatttta gtagagacag ggtttcacca cgttggccag     180
gctggtctcg aactccttac ctcaagtgat ctgcctgcct cggcctccca aagtactggc     240
attacaggtg tgagtcactg cacccggcct catatgttga aattctaatc cctgaggtgg     300
tagtattagg aggtggagcc tttgggagga tgattaggtc atgagggaag anccctcatg     360
aatgananta atgctgntgn gaanaanaac tcagaagaga aactttggnt cctttacca      420
tgngaanatc agngagaagg gactgtttat gaaccggaaa gtaagccctc ccagaca        477

<210> 309
<211> 313
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(313)
<223> n = A,T,C or G

<400> 309
aataaaatac tggccagatg tgttggttca cgcctgtaat cctagcactt cgggaggctg      60
aggcgggagg attacttgag cctaggagtt tgagaccagc ctgggcaaca tagcaagatc     120
ccatctctac aaaaaagtga aaaagttagc tgaacaaggc ggcatgcaca tgctacttca     180
aaacnctnga atggggaaaa annaccttaa antcccanaa natcganggc tttcagtgaa     240
natattggnt tganacacct ggttctcagc ctgggatgac agagtgaaga acctgtcttc     300
aaaacaagaa gag                                                        313

<210> 310
<211> 181
```

79

<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(181)
<223> n = A,T,C or G

<400> 310
gacttaaagg agaataagga agttttctaa caggcanaaa atggaagaga cgcccctgct   60
aacggcaatg ctantgatga aaatgggGag caggaggctg ncaatgaggt agacgaagaa   120
taggaagaag gtggggagga agaggaggag gaagaagaag gtgatggtga ggaacatcat   180
g   181

<210> 311
<211> 174
<212> DNA
<213> homo sapiens

<400> 311
gtggttgttt tggccaaaag ctgtgtggaa gcccacagga acggggcaga attgctttcc   60
tgtagaggag aaggattgag acatgacctt tggtgaaact gaagctataa cttgaataat   120
attcgttaat ctggggagaa taaaattttg aaagaagaaa tttaaaaaaa aaaa   174

<210> 312
<211> 377
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(377)
<223> n = A,T,C or G

<400> 312
gtggggtctt tcacctagac catcacaaga cgccgagctt caggtaactc tcacagtgga   60
aggtacacat ccagatggcc ggttcctgcc ttaactgatg acattccacc acaaaagaag   120
tgaaaatgcc tgttcctgcc ttaactgatg acactgtctt gtgaattcct tctgctggct   180
catcctggct caaaagctcc cccactgagt accttgtgac ccccactcct gcctgccaga   240
gaacaacccc ccttttttcct ttacctaccc aaatcctata aaacagcccc acccttatct   300
cccttcactg actctctttt cagactcagc ctgcctgcac ccaggngatt aaaaacttta   360
tttggttcaa aaaaaaa   377

<210> 313
<211> 245
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(245)
<223> n = A,T,C or G

<400> 313
aatagggaaa tttggatgca gagacacaga gaaaatgcca tgtgaagatg gatcagagac   60
agaagtgatg cggctgcaag ccaaggaatg tgaagaatgg ccagccacca ccggaagcta   120
ggggagacgc cagcacagat tctccctgag agtatccaga agaaaccaac cctccaacac   180
ctggatttca gacttttgac cttgngaagt gtgagccaat aaaacaactg cagtggaaaa   240
aaaaa   245

<210> 314
<211> 162
<212> DNA

<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(162)
<223> n = A,T,C or G

<400> 314
aggatcttca cccccgctgn acaggctgtc ttccaaanan gnggttggct ggantggcca   60
ctgncctgnt ttcacaagna ccactaaacc ccctttttct gcnctttgcc tgtnaacaan   120
ggntatattt gntcccanna gagcctctgt cagtcgtctg gc   162

<210> 315
<211> 559
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(559)
<223> n = A,T,C or G

<400> 315
ctccagccac caccttctgg aagggttttg tncagcggng gtgaaatcct tgcccaggng   60
ntggcccagc acaatcacna tcatattgcc caggagctgt gggaatatgg nagaaccatc   120
aacataactg tagagcaaaa ataccagata ctgcaggctt atttacaaag acatttgttt   180
gcaaccttaa actactgaca aattattata agaatcctat gtcaaacaga atttatatgt   240
naaatatatt cttcccctgt cccctggcat aaaagccaat tatgctacta ttnttgagag   300
ctatgagaan aaacaaggga catatcttnc ttgtcctctg agcaagttac caaggcaatn   360
tttaaaaaga caaacaaacg ttngatcaaa gaagaagaaa tgaactnngg gaaagggaaa   420
ggatttcnga anngagagag ggnnanagag aaangacngg ngncgaaaag ggggaggggg   480
aancctnatn tnntngattg ggaangtaaa ataacccaca gccttgggcc gncnctcccn   540
tagaaaaaaa ggttttttgg   559

<210> 316
<211> 642
<212> DNA
<213> homo sapiens

<400> 316
ctgcaggtct gctggagttt gctggaggtc cattccagat aatgtttgac tgagtatctc   60
cagcagagac tgcagaaaaa tatgccctgc ccacagaggt ggaatcgaga gagacagttg   120
gccttgctga gctgccgtgg gcaccaccca gtttgagctt cccagcagct ttgtttacac   180
tatggctgac tagcctagga gcataagatg tcacttctcc tcaaaaagaa gaccacagct   240
actggtgaat ggacatggct tgaacggaaa actaagggaa gagagccgga acctgttgga   300
gtcctgatgg aaagaagctg gggtgcagaa aagaaaagca gaaagaatct ggcagagaat   360
aaccccctga ggaactcgaa gccccacaga aaggatatgt ctcttcccct tctgccatga   420
ttgcaagttt cctgaggcct tcccacccct gcagaactga ttccattcag gatacttcat   480
tatatgtaga gttgaccctg gaacaacata aaggttaggg gtgccaatca cctgtgtggt   540
caaaaatctg agtataattt ttactccccc aaaccttaat tacaaagagc ctacgggtaa   600
cctgaagctc taccaataac atgaacagtt gattaaaaaa aa   642

<210> 317
<211> 498
<212> DNA
<213> homo sapiens

<400> 317
ctttgagctc tgctagttta gagattttgg tcctcatgga gaggaatgct tccactgggc   60
acacaacaat ggatccaaca actgggagat aagacttcca cctgaacatt ttgaggtcct   120
tgtgtcgctg aaccaagagg caaaaataaa ctgtcaggcc tctgagccca agccaagcca   180
tcgcaacccc tgtgacttgc tcgtatatgc ccagacggcc tgaagtaact gacgaatcac   240
aaaagaagtg aaaaggccct gccccgcatt aactgatgac attccaccat tgtgatttgt   300

81

```
tcctgcccca ccttaactga gtgattaacc ctgtgaattc ccttctcctg gctcagaagc      360
tcccccactg agcactttgt gaccccctgc ccctgcccac cagagaaccc cctttgactg      420
taattttcca ttaccttccc aaatcctata aaacggcccc accctatct cccttcgctg       480
actctctttt ccgactca                                                     498


<210> 318
<211> 482
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(482)
<223> n = A,T,C or G

<400> 318
tttttctcg ttggacccgc gagatnactt tanataaatn cccnagagng aataagaatc       60
ctagtttnta aggctcatta ctgggntttt attgaaattn ccataatacc ctggnngngg     120
aagcatntat tttttcaata aatctatctt gantatccag tgtgggttag gattaaatct     180
ctccttcata cagttggact gcttttattt atatggantt actagannta acacaataag     240
taatataccc tngatttggt tttctttcca taaccaccag gttatgcgcn attccggana     300
taaaatgtgn gttccaanag ntctttacnc tnctntntgg nacaggntta gcganatttt     360
gaaatgacct catataataa agnggccctt taattacaga annggtttgg ngttggtcan     420
aataaaatac accccnatat tattgagttt agagtcattt ggtatgagac ataaaaattg     480
ca                                                                     482


<210> 319
<211> 590
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(590)
<223> n = A,T,C or G

<400> 319
acagtcctta gcgagatttt gaaatgacta catataataa gtggcctta attacagaat      60
ggtttgtgta ggtacagaat nnaatacacc aaatattatg agtttgagtc attgtcatga    120
gtcataaaaa tgcagctcca aacgaagtaa agagttagag tatggtgaga aattataaac    180
catcaagaaa aaaatacagg acccataaag gtagntgtgc ggncaggtat ttcgtgcata    240
tttataatcc ttatttatta ttactaagaa gccaagcagn atttataaaa tatggncctc    300
tctgaatgca atgtccaatg gtctaaaacc catatcttan tgntctcana gcagtatctt    360
ntgtttgcan atagaactga atnttntata actggctcat aatttatgnn agacttttgc    420
ctanccataa agataggatg agcaatttct ttttgcanta ngtagaaccc tngcctgttt    480
tttcttgctt aatgaagatc agnaatagan cttgggttat nnagagntgc cngccgttna    540
accaatncaa ttcccgcngg ctagacccan ctttcgggaa ggttctattc                590


<210> 320
<211> 315
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(315)
<223> n = A,T,C or G

<400> 320
taccttggcc gaacaactcc cttnatgggc cctgtatntn ttccttgang gttnataatc      60
tcttaccata ctctaactct atacnncgnt tggtgntngc attnattatg actcatgaca    120
atgactcaaa ctcataatat tcggngnatt ttattttgcc ctacacaaac catnctgtaa    180
ttaaaggcca cttattatat gtngtcattt caaaatctcg ctaaaactgt accaaagagt    240
```

82

```
agcgtaaaga actcttggaa cacacatttt atttccggaa ttgcgcataa cctggtggct    300
atggaaagaa aaaca                                                     315


<210> 321
<211> 277
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(277)
<223> n = A,T,C or G

<400> 321
tttcttcttc tttgatctac gtttgtttgc tttntaaata ttgccttgta acttgctcag     60
aggacaagga agatatgtcc ctgtttcttc tcatagctct caagaatagt agcataattg    120
gcttttatgc cacnggtgac aggggaagaa tatatttaca tataaattct gtttgacata    180
agattcttat aataatttgn cagtagttta anggttgcaa acaaatgtct ttgtaaataa    240
acctgcanna tctggtattt tttgctctac agatatt                             277


<210> 322
<211> 597
<212> DNA
<213> homo sapiens

<400> 322
gttgttctga aaagtagatc ctattacctc tgcattatat atatgaaaac gaagccttag     60
agaatttaag taacacctaa agtgaagaag ccacaatttt tatatgggtc tttctgattt    120
tagtgacctt gaataacagc taaaagacta gaatcagagt gaaaatgcct ttctggggac    180
gattactgaa aatcagaatt cagccaaatg acttcagaga gaaaagcaaa gctaagtcaa    240
tggccaacta tctcaaatac gttatttaga acaagagtga acataagatt taaactgtta    300
ctactcttgg aaaaattgag aaaattaaat gccacacaat ttcccctata agagaatcca    360
accaaattgg ttatcaatga taaaggtttc tactctgaag acctcatcat cgaaacagca    420
aacgcgtcgt ataccaacgc ctgagaccta tctattactc tcatcgccac tttcctaaca    480
agcacctata gcgctcaaat tattttctc accttaacag acaaacctg ctcccaacca     540
caattaatat taacgaaaat attcccgccc taataaaccc aattaaaagc ctcacaa      597


<210> 323
<211> 553
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(553)
<223> n = A,T,C or G

<400> 323
gtgattaaaa agctttattg ctcacacaaa gcctgtttgg tggtctcttc acacggacgc     60
acttgacatt tggtgccgaa gacccaggac agggagactc cttcggaaga caggtcccct    120
gtcctcacca tcactccatg aggagatcca cctaagacct cgggtcctca gaccagctca    180
aggaatacct taccaacttc aaatcggaca ggattgtcag gcctctgagc ccaagcctgc    240
accngtacat ccagatggac tgaggaaact gcagaaccac aaaagaagtg aaaatggcca    300
gttcctgact taactgatga cattaccttg tgaaattcct tctcctggac aatgagtctc    360
agaagttccc cactgagcac cttgtgaccc ccacccctgc ccgcaagaga acaaccccct    420
ttgagtgtaa ttttccacta cctacccaac tcctataaaa ctgccccacc cctaactccc    480
tttgctgtct cttttctga ctcaacccac ctgcacccag gtgattaaac aagttttttt    540
gctcaaaaaa aaa                                                       553


<210> 324
<211> 607
<212> DNA
<213> homo sapiens
```

<220>
<221> misc_feature
<222> (1)...(607)
<223> n = A,T,C or G

<400> 324
agtttggccc tatgccatgc aggatgagac tatattagag ttgaacagta gaatgcagag   60
actgttgggg agcatcttag aagctgctta acacaactat ggtaagtcct tgagttcacg   120
accatgaaga agtgattagt caattatctg agaaccactt cctcctaagt gagaagaaga   180
aacaagccaa agatagaaga ggcagcagtg tgggaaaaat aaatgaaga gaccttccca   240
aattgttctc ttttcctggt tctcctgtaa ggactcaggt ttttaattaa ttgactggat   300
aaacatgtca ggcctctgag cccaagctaa gccatcatat accctgtgac ctgcacgtat   360
acatccagat ggcctgaagc cactgaagaa ccacaaagt gaaaatagcc agttcctacc   420
ttaactgatg acattccacg attgcgattt gtcctgccct tccctaactg atcaatggac   480
cttgtgacac tccttcttct ggacaatgag tctcaagagc tncccactga gcaccttgtg   540
accccaccc ctgnccgcaa ganaaaaacc ccctttaact gnaattttcc cttacctacc   600
ccaaaat   607

<210> 325
<211> 305
<212> DNA
<213> homo sapiens

<400> 325
gactggaggc tgccaccact gacatgttcc accagattct tgttgggctc aagaagcatt   60
caagcttcat cccccttcgt atttatgaaa tccggaggta ctggagcagc gctgtatgtc   120
cagcatctgg cattgttcaa tcaagatgtt agctgggaca gaagacataa gtcagaacgc   180
tggaagaaac tgggtcccaa tattataata atcaataaag acaaaatata tttataggtt   240
attttatttg tattttatca ataaagacaa aattatattg cattataata atctaaaaaa   300
aaaaa   305

<210> 326
<211> 322
<212> DNA
<213> homo sapiens

<400> 326
agggcggagc caggtgtacg ggatggaaca tgagagcgga ccaggagcgt gaccgctgca   60
ctgacgcttc cgctagacca cagtctgctc ggcgacgggt gtcttcccag atgctggcat   120
caccgctaga ccaaggagcc ctctggtggc cctgtccggg catgacagaa ggctcacgca   180
cttgccttgt agtcacttgt cgctcaccat gtcccttcag ctcctatctc tgtatggcct   240
ggttttttcct acgttatgat tgtagagcga ggattattat aatattggaa taaagagtaa   300
ttgctacaaa ctgaaaaaaa aa   322

<210> 327
<211> 142
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(142)
<223> n = A,T,C or G

<400> 327
ccaagcgtac gagaaatgca gctgcattaa gtgcnnttaa tggtncaata anagcagcgg   60
ngctgtnatg ntgaanactc gaccattaat caanctgcgc tccggancaa cctttccctc   120
ncattaataa atacatttgc gg   142

<210> 328
<211> 321
<212> DNA
<213> homo sapiens

84

<400> 328
```
gtgacaaaca cgagattcag agaggtgacg agaggctctc caaggaccca tatggaagtg      60
tcagctggaa ttcaaccctc aggcagcctg gctccaaagt tcacaacctt tcctacttgt     120
ttcagcccctg ccctgccttt cagggctaag aagatgttag tagatgttcc ataaatattt     180
attaaattga actgaactca gcagctgaac acacgcaggc ctcttccacc ctgaccaaga     240
ggaatccttt gagggtctgc agtatggaaa gaaattctct gaggcgctaa ataaaatcct     300
gctctgaggt gcaaaaaaaa a                                              321
```

<210> 329
<211> 213
<212> DNA
<213> homo sapiens

<400> 329
```
aggctgctta acttacccga cgtcacattg ctagtaagtg gcagaaccag gatttgaacc      60
catgctcaac actcccaccc cacaaaaatg caagttccat gaaggcggat agtcttgttc     120
attgcaaccg tcactcccat tgctattatc acagagtatg ggcaccgtat gtagtaaagt     180
tctcaataaa tacatgtttg agtgaaaaaa aaa                                 213
```

<210> 330
<211> 497
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(497)
<223> n = A,T,C or G

<400> 330
```
gtcttgtcaa cggaaagggg tccctatcca gaccccaaga gagcattctt ggatctcttg      60
caagaaagaa tttgaggcga atccatagag taagcttagt gatgtgtgtc agacctctga     120
gcccaagcaa agccatcata tcccctgtga cctgcatgta tacatccaga tggcctgaag     180
caagtgaaga atcataaaag aagtgaaaag ggccggntcc tgccttaact gatgacattc     240
caccattgtg atttgttcct gccccacctt aactgagcga ttaacctgtg aacttccttc     300
tcctggctca aaancttccc tactgagcac cttgtgaccc ccactcctgc tgccatagga     360
caacccccct ttgactgnaa ttttcctttta cctacccaaa tcttataaaa tggcccaccc     420
ctatctccct ttactgctct ntttntggac tcacccctg ccccaggnga ttaaaacttt     480
atgctctaca aaaaaaa                                                   497
```

<210> 331
<211> 531
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(531)
<223> n = A,T,C or G

<400> 331
```
aaatagaatg ggccacctct tggggataca tcctgcagtc ctcaggatgg ctacaatcgg      60
aggacaataa gcttcatcta ccagctgcca accaatggaa agtacttaaa agccttcact     120
aggccttcca cctaggccca ggttgggagg gaccctacac tgtactcctt tctactcctg     180
tggcagtgaa ggtcactgga atagactctt ggattcatta tacccaagta aagacttggg     240
aagccaacag agtcacctcc gttgacccag aagaacaccc aaagtactaa tgtgaagaga     300
ttggggacct caagctaaaa atcacaaaag acctagaaac catcaaactc caaatggtca     360
ggcaaccaga gcctcaaaca atggtccgct ttgctgggga cccttanata gacctctgag     420
aggaatctga ctggattttc ccaaaacaat gctcctgtca cangaagtaa ctaaggcagt     480
tgcatcattt ctacaacagt agatgtcctt tcgaggggga aagagatggc a             531
```

<210> 332
<211> 453
```

<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(453)
<223> n = A,T,C or G

<400> 332
```
ggtccatggt caaaacccta gtgctcccag agcagctctg gctttaccct gatgtggcat   60
ggagaagggt cagtgcagga gtcggggctg gggcacccct gtaccttggt cttggcattg   120
acatctgcct ggtgctgcag cagaaacttc accagcttga tgtttccata gtgactggcc   180
acatggaggg gagtgtagcc catctgaaaa gcagatgaga aggagtgacc ggagctgtcc   240
tgagctgggc atcacatgaa atccttccca aagcagctga ttcaaagaga gaacggacag   300
ggagccccctt gaaggctgac attgacaagc tgaatggctg ctgctgggca ganaccacca   360
agctgagatg cttgngggaa anccaagggg aaacgtcaag cgggcaactg gaaaatggac   420
acttgacccc gaaaaaaagg ctttcttggg gtc   453
```

<210> 333
<211> 598
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(598)
<223> n = A,T,C or G

<400> 333
```
gactgaaccc tgacttggga ctatttgcct tgaaaaatga gttttctcca gctctgcaga   60
ggatggctgc tgtgtataat ggtctctgaa atgctaacgg aagccaagaa atcacctgac   120
atgaactatg aagctattag ttatgaaaag caatatcgat atttaccttc taactcttna   180
tgctggaggg taaagcagca caacctggac gtgcctggtg ccgagccaac ataaagagaa   240
catctgcatc ttccctcctc taccattttt gaaatggaaa taatgcttat ggtggtaata   300
atgtggtgac tgtcgttcaa agccccttca cacacattat gatctgatct gctcctccca   360
ggaatcctgc atgaggtgga tatcatgaat gttataatgt ccagaagcag gaactgatgt   420
agaaagttaa gtgatgttct ccaggcgacc ccgacagaac ctggcagagc tgctgctttg   480
accctggagt tgagaagaat tgttctttcc acatcaaccc ccgncggaca tatttcaaaa   540
atgcaactgg ttttcatttg ggtctatctt tcttttgcta ataagtaatc aaaagatc   598
```

<210> 334
<211> 135
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> .(1)...(135)
<223> n = A,T,C or G

<400> 334
```
tggcccgccc tggatgaaaa cntgtcctct tggaaggtat aactngnntt taaagactct   60
nngcnaaagt ttatctgcca ttgttggagg gtatnaactt accagcacaa tgacccgctg   120
ctgattggcc gaatc   135
```

<210> 335
<211> 396
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(396)

<223> n = A,T,C or G

<400> 335
```
gagagaataa gcaaaagggc tactgaacac tgaccctgca aagctgatca tctgagaaac   60
aacgttgaga tctatcaagg cagcagggaa acacagagag cacggaggaa tgaaggtggg   120
caccagcttg tctgggctga gcacagagcc aggagaacct aaccaacacc gcaaacgaga   180
caggatcttg ctttgtcacc caggttggag tgcggcagca caatcatagc tcactgtaac   240
ctcgaacttc taggcttaag tgatccttct gactcagcct ccagagcagg ttttcagtca   300
tgtgcaagag cttacttctc catactggaa agtagaagnt ttctncaaaa aattttaaaa   360
ancaaattaa acttaatacg taaatttaaa aaaaaa   396
```

<210> 336
<211> 456
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(456)
<223> n = A,T,C or G

<400> 336
```
tctagaggct gcgaagtcca aaatcaaggc actagcaggt ttggttgtct ggtgaaggct   60
gctctctgct tccaagatgg tgacttgttg ctgcatcctc agagaggaga aatgctgtgt   120
tttcacatgg atacggaaaa accataggct ggtaatggat tgcaagtatt tctcaaaaac   180
tctacaagcc agaagagagt gggggccaat attcaacatt cttaaagaaa agaattttca   240
acccagaatt tcatattcag ccaaactaag cttcataagt gaaggagaaa taaaatactt   300
tacagacaag caaatgctga gagatttgt caccaccagg cctgccctaa aagagctcct   360
gaaggaagcc ctaaacatgg aaaggaacaa ccggtccagc cactgnaaaa tcatgcccaa   420
atgnnaagaa ccttcgnggg ttgggagaaa cttttc   456
```

<210> 337
<211> 425
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G

<400> 337
```
aatcaagaaa acaattcaat aagaatccat tttccttggt aacaggacac aattgaaaac   60
acnggttatt taaccaaagc ttcatctgaa atggcatatt ttacggatat gacgagactg   120
ctttgaggaa tttaagtgga ccttataaag ttgataaaga gccccttaga aagactggcc   180
tagtacctca tctacttggt tcccttagga gcctaggaac ctcaagatat ttggggacct   240
caagaagaga gaaattcact caatttatgc acatattaca ggcatagtct aatggtgaat   300
cattggcttg gtttccccgt cttaaaaggc ttttagaagt cgaatttgag attctttatg   360
aaaacattcc agcaaagtca acttaaaaga ccctatatga ccattcatta ttcttgggta   420
ttgcc   425
```

<210> 338
<211> 289
<212> DNA
<213> homo sapiens

<400> 338
```
gtcttcctta atatatgtca gcaagtggag tggtgtgctt aaggagagag agacttggaa   60
aaatacagac cgagaacaag gccatgtgga gatagaggca gagactgaag ttgtaccacc   120
aaaggcaaag aatatcaagt attatcagta accacaggaa gctggaagag gccaggaaag   180
gtttttctta gagaccttgg aaggagcctg accctggaac accttgattt tagacttctg   240
accctcaaaa ttgtgaaaga ataaatttct gttgttttaa gcaaaaaaa   289
```

87

<210> 339
<211> 322
<212> DNA
<213> homo sapiens

<400> 339
gagacgctga gtcccgtgct ctaggattcc ctttgtgacc tcaacgacct gaaacctcct      60
gactctggct agagatggag gcctcaccat gttgaccaga ctggtctgga actcctagac     120
tcaagtgatc ctgctgcctt ggccttccaa agtgctggaa ttacaggtgt gagccactgc     180
acctggccca cttcaatctt ttgattgttt cctttggtgt gcaaaagctt tttggtttga     240
taaaattcca tttgtctatt tttgcttttg ttgcctgtgc ttttgaggtc ttattaaaaa     300
aaatccttgc ccagaaaaaa aa     322

<210> 340
<211> 212
<212> DNA
<213> homo sapiens

<400> 340
gttcacagat ctggctgtgt gaaagagtgt ggtgcctctc caccctgctt gctctctttc      60
atcatgtgat gcgctggctc cccttcacct tctgccatga ctgaaagctt cctggggtcc     120
tcaccagaag cagatgatgg tgctatgctt catgtacagc ctcccggatc atgtgacaaa     180
ataaacgtac tttctttata aattaaaaaa aa     212

<210> 341
<211> 342
<212> DNA
<213> homo sapiens

<400> 341
gatagcatca ttgactggac ttgcttcatt actatggctt tgcagaatgg atcaacctca      60
ggtagcccta ttacaaaaga ccccacactt gatggatcag ctgtcactac acagagcgat     120
aaactggctc atctggtctt gtggtcctca cgcaggaact gactcagctc aagagaaaag     180
cttcaactcc ctatgatttc atctttgacc cgaccaacca gagctcctga ctcacccacc     240
cactacccac caaattatcc ttaagaactc tgatccctga atgctcggga aattcatttg     300
agtaaaaata aaactccagt ctcctgtaca gccaaaaaaa aa     342

<210> 342
<211> 265
<212> DNA
<213> homo sapiens

<400> 342
caggaaagga gtagagctgc tagatctgaa atgcagacta aaacagcagg aaaaatggaa      60
caacgcgtgg acactctgga ctgctgacca aatgctggag aggcttcctc tgctctctgg     120
tatcctcttg gatgaagttg ggtgaggatg tctccaaaac aatcaaaatt ttgtgtccct     180
ccagcctggc aaaatgagag catcaaaccc agatgtaagt tgattttaat aaaagaaagc     240
cattcaatat tctcgtaaaa aaaaa     265

<210> 343
<211> 173
<212> DNA
<213> homo sapiens

<400> 343
ctgtcctgag agcacgtctc tacatctcta cctgcattct ggaatcaggg agaaagccaa      60
aacggacaag acactagatc agccatgtcc aaccctttga ctacaaggac ttttccgcct     120
atctgtagtg gtgggtatca tgaaaattat gcacaaacct tttttttttt ttt     173

<210> 344
<211> 108
<212> DNA
<213> homo sapiens

88

<220>
<221> misc_feature
<222> (1)...(108)
<223> n = A,T,C or G

<400> 344
tggagttgga tccaaccccg tggctggcat cattgtcact gatgtcattg gcactctgct          60
tccttgcttt tnngaaatct ttctgctttt cttggacatt aagactgg                      108


<210> 345
<211> 458
<212> DNA
<213> homo sapiens

<400> 345
gtttttgctt gtctgatgac tgatggctcc acccagacct gccaaccact cccgcggccc          60
catccagaag tggctcagcg tgcatgagga ccatctccaa catccctgtg attgtacccc         120
caaccaacca gcagcaagaa cctattgcct agtcacctcc cctctctttc cccaactatc         180
attgaaaaag tctggcttcc aaattttccg ggagactgat ttgggcccag ccccagggcg         240
caaggccgct tgcatcagca gcgtgcgtga gcagatgcgc cagcaagata gcaaaagcag         300
gaagagagcc agccggaaga caagtacctc tgaagatgga gaaagaggcc atctgggtac         360
aacgttgcag ttacgtcaga ccaggacact tcctgtttac aggagactat aaaacctttg         420
ccccatcctc acttggggggc tgacgccgtt ttaagcct                                458


<210> 346
<211> 258
<212> DNA
<213> homo sapiens

<400> 346
ggtctctctc tgtcacccag gctggagttc aagtggcacg atcatgactt actgcagcct          60
agacctccca gcctcaagtg atcctcctgc ttcagcttcc tgagtagctg gggactatag         120
gtgatacctg ctcccttcac cttctgctgt gagtggaagc tccctgaagc tctcaccaga         180
agcagatgct ggcaccatgc ttcttgtaca gcttgaggaa ccatgagtta aataaacctc         240
ttttctttat aaaaaaaaa                                                      258


<210> 347
<211> 205
<212> DNA
<213> homo sapiens

<400> 347
aatacaataa tcccaagagg ccctgcaggg catggagaaa ctggaatcag aagggagaag          60
agctttgagt atgcctgaag cctgtgatgc caagactgtt ctctctggaa gtgccaacct         120
gtgtaatagc caagaggtcc cactggctcc cctcccctcc cagtgaattc tgcagagatt         180
aaatatactg tgggaaggaa aaaaa                                               205


<210> 348
<211> 495
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G

<400> 348
gctcccaggt gctccttcag ttgccttgga gccctgcgtg ctcccaccta ctccctctcc          60
attcagctgc ggtccctctt actgcccacc tcaaatgtac tctgcccagg gcccagaggt         120
atcacccact ctccgacctg tgccgcagag aaagccaaca accacagcta gagacttact         180
accacctact tgacctaaag aacacatttg tgaaatgccc cttgtttacc tttccaacca         240
ccaagctaat tgtttgtgtc tttagctaac aagttgtggg tgattacagc cccacttgtg         300


89

```
gttatgggca ctgttcagaa gcttctggct ttgagatctc ctcgaaggct tacttggtct      360
tggttgtttc atcatattat atttttagag aattacaggg caagcctcag ccagattacg      420
aaaatctgac taagggtggt gcatcaaggg ccccaacagg agcattttca accccctnca      480
gagccagcca tggca                                                        495


<210> 349
<211> 262
<212> DNA
<213> homo sapiens


<400> 349
gcaatgcctc tgagaacctt ggaatggaga aagggaacaa tgtcatctgc actcagtcat       60
ggaggaaaca gctgaacaag tcagcacagg gcaggaggtg accggtggag gcgactagga      120
cttcttcagg cagcatctga agtctctctg aaaacacaag aaaagaatat acagagaacc      180
tcccagaaac tgcaagtccc atggaaatta aggccattag tgttttgtat aataaacagt      240
caccttt tgca tttaaaaaaa aa                                              262


<210> 350
<211> 293
<212> DNA
<213> homo sapiens


<400> 350
ggtgcttgcc cttcaactca gccaccacga tgtgagtaag ctcaagctag ccaacatgga       60
aagaacacat ggagagatcc attcggaaaa gaatggcgac cgcctcacct cagccgataa      120
ccagcatcaa cccgcagaca tgtgactgag caaggattca aatgtcccag cctccagcct      180
tcctgctgtc ccagttgcca gtgagtagag cagaaactat gtcttttcat caagtcccac      240
ccaaattaaa gatgtcaggg atacataaat attgtcatta acctaaaaaa aaa             293


<210> 351
<211> 369
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(369)
<223> n = A,T,C or G


<400> 351
gggcattcaa gataagccat catatcncct gtgacctgca cgtacacatc cagatggccg       60
gttcctgcct taactgntga catttcacca caaaagaagt gaaaatggcc tgttcctgcc      120
ttaactgatg acatggtctt gtgaaattcc ttctcctggc tcatcctggc tcaaaagctc      180
ccctactgag caccctgtga cccccactct gcccgccaga gaacaacccc cctttgactg      240
taattttcct ttacctaccc gaatcctata aaacggcccc accctatct ccctttgctg      300
actctctttt cggactcagc ccacctgcat ccaggtgaaa taaacagctt tattgctcac      360
acaaaaaaa                                                              369


<210> 352
<211> 176
<212> DNA
<213> homo sapiens


<400> 352
ctgtcctgag agcacgtctc tacatctcta cctgcattct ggaatcaggg agaaagccaa       60
aacggacaag acactagatc agccatgtcc aaccctttga ctacaaggac ttttccgcct      120
atctgtggtg gtgggtatca tgaaaattat gcacaaacct tttttttttt tttttt         176


<210> 353
<211> 357
<212> DNA
<213> homo sapiens
```

<220>
<221> misc_feature
<222> (1)...(357)
<223> n = A,T,C or G

<400> 353
ccagatggcc tgaagtaacn gaanaatcac aaaagaagng aatatgcncc gccccacctt   60
aactgatgac attccaccac nnaagaagng taaatggccn ntccttgcct taagtgatga   120
cattaccttg tgaaagtcct tttcctagct catcctggct caaaaagcac ccccactgag   180
caccttgcta cccncactcc tgcccgcaga gaacaaaccc cctttgactg taatttnct   240
ttanctaccc aaatcctata aaacggcccc accccatatnt nccttcactg ctctntttc   300
tgactcantc cgcctgcncc cangtgaaat aaacagncat gttgctcaca aaaaaa   357

<210> 354
<211> 443
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 354
gcttgcagta aggttgggct gctggcacga cccttacatc caccactttg tgagactgtc   60
taaagacagg aaagtccctg aaatcaacag aggcaggagt gaagttgtgt ccgaaattgg   120
tgggttcttg gtctcaccga cttcaagaat gaagccgcgg accctcgcag tgagtgttac   180
agttcttaaa ggtggcatgt ctggagtttg ttccttcatg atgttcggat gtattcagag   240
tttcttcctt ctggttgggt tccgtggtct tgctggctca gcagngaagc tgcaagacct   300
ttccggggggg ntgagcatca ttttcgtnnt ggtcgaaagc cccacttaca tcttttactc   360
ttggaactgn cccatantaa ggaattnctt tttttttcnag nttaaaaatn ccaaaataaa   420
gctttatttt tccacaaaaa aaa   443

<210> 355
<211> 257
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(257)
<223> n = A,T,C or G

<400> 355
ggtctctctc tgtcacccag gctggagttc agnggcacga tcatgactta ctgcagccta   60
gacctcccag cctcaagtga tcctcctgct tcagcttcct gagtagctgg ggactatagg   120
tgatacctgc tcccttcacc ttctgctgtg agtggaagct ccctgaagct ctcaccagaa   180
gcagatgctg gcaccatgct tcttgtacag cttgaggaac catgagttaa ataaacctct   240
tttctttata aaaaaaa   257

<210> 356
<211> 358
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(358)
<223> n = A,T,C or G

<400> 356
gaccctctat tatgtggtgg gtgtcccgag agtttgagga ccactgatct ggaccagaac   60
atggtggcca gaggacgcan agagaaagtt taaaggtaa ctttcgtgat gacatactcc   120

```
tgcaaagatg gcgtgggaca taattctcat ggatggaggt gaacatgact gtcccttgat      180
acaaggggta gaattgattg ggttgctgtt gtcctttgag aatcaccacc cgactctatg      240
tggctgtttc ttcaattgca aaatgagaga gcatgtttcc tttttaatca agcaatatta      300
cccttaanga aaccttgaan ggcagttcta ttattaaata tctcaagcac aaaaaaaa       358


<210> 357
<211> 403
<212> DNA
<213> homo sapiens


<400> 357
acactataaa tgacacatta tgaaaagaag tgtttcagag agtatcatgt aaactggact       60
aattccgcta cagcagttct acaaagtctt gaagaaaatc ttcgaagtac tgcaatataa      120
ttttcttgga gccaaaccat aaaacacata tataaatgtt tatgtctgca aaacttagga      180
agaagggaga agagaccttt tccccttgc atatttagac aatgctgagg ctgtatcctc        240
ctggtctaaa aattgagata actgcattac aggtaaccat ggtatcttta tgagagactg      300
ttagtaagat tctaaatatt tgactttgct tcgtgcaact tttcttaaat ttcctgagta      360
acttagttat gaataaataa ataagtgcaa tgtaaaaata aaa                         403


<210> 358
<211> 287
<212> DNA
<213> homo sapiens


<400> 358
tctggctcaa ccagttctgc catcccaccc aggaacagaa aacagcaaga aaaactcact       60
tcgacccct aggattccat ctccaatctc accaaccagc attccccact tccgaagccc        120
ctacctgcca aattatcttt aaaaactctg atgccgaaat gctcagggag actgatttga      180
gtaataataa aactccggtc tcccgcacag ccggctctgc atgaattact ctttctccac      240
tgcatttccc ctgtcttaat aaatcggctg tgtctataaa aaaaaa                      287


<210> 359
<211> 144
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(144)
<223> n = A,T,C or G


<400> 359
agtgccggga ttacaggctt gagccaccgc acctggccta aaaacctgtt ttgttccctg       60
ctgtctcact ggggcctgga ggagcaacac ttangaacgc aatgcaggtt tgttgaataa      120
attaatgact ctcgaaaaaa aaaa                                              144


<210> 360
<211> 443
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G


<400> 360
atggagtctt aatctgtctc ccagactgga gcacagtggc accatctcag ctcactgcaa       60
cctctgcctc ccgggttcaa gcaattctcc tgcctcagcc tcctgactag ctgggattac      120
aggcgcctgc cgtcatgcct agttaatttt tgtattttta gtagagatgg ggnttcacca      180
tgttggccag gctggtctgg aactcctgac cttgtgatcc gctcaccttg gcctcccaaa      240
gtgctgggat tacaggcgtg agccactgtg cccggccgga tctgatggtt tttccccgtt      300
tgctcggcac ttctctttcc agtcaccatg tgaagaaaga catgtttgct tccccttccg      360
```

```
ccatgatttt aagtttcctg aggcctattc cctagccgca ctgaactgtg agtcattaaa      420
cctctttcct ttattaaaaa aaa                                              443


<210> 361
<211> 102
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(102)
<223> n = A,T,C or G

<400> 361
caggcctggc acggaatgca gnttttacac aacttgangc atgaggangt ganagatgga       60
aagaatgctg tctgtcattt ggagncntaa ggaaaagaac gt                         102


<210> 362
<211> 525
<212> DNA
<213> homo sapiens

<400> 362
gtgagtcaca gcagctgaaa gaaaccagaa agctctccaa ggaagaagaa accagaagga       60
accctcagag gaaccccagg gcaccatctg agatgaagct atgcaaagct tctcagcatg      120
aaacctggca tacaagagct tggcctccaa gagatgtttt taaagctaat tgtcgggaat      180
ggagttatgt tctgtgaaga agccataaac actgaattag tgaatagtga accgtttttc      240
ctgggggaaa tacaagtaga gatgaagttt caccatgttg gccaggctgg tcttgaactc      300
ctgacctcgt gatctacctg ccttggcctc ccaaagtgct ggaattacag gcatgagcca      360
ctgcacctgg ctgcttttgc cccttttgct tggcttctcc ttgctgccac catgtgaaga      420
aggacgtgtt tgcttcccct ttcaccatga ttgtaagttt cctgaggctt ccccagccat      480
gctgaactgt gagtcaatta aatctctttc ccttgtaaaa aaaaa                      525


<210> 363
<211> 539
<212> DNA
<213> homo sapiens

<400> 363
agacagggtc tcgctctgtt gcgcagactg gtgtgcagtg ccatgatctc agcttactgc       60
agcctccgcc tcctggattc aagctattcg cctgcctcag cctccagcac agctgggatt      120
acaagcactt gccaccattc ccagctaatt ttttgtattt ttggtagcaa cgggggtctc      180
accatgttgg ccaggctggt ctcgaactcc tgacttcagg tgatccgccc gccttggctt      240
cccaaagtgc tgggatgaca ggcgtgagcc accgtgcccg gcctaataat aactctttca      300
accaattgcc agtcagaaaa ttttaaaatc taccttatga cctggaagcc cgcctcacca      360
ccagtggagc tgtcccacct tcacagagtg aacctgtcag gcctctgagc cgaagctcag      420
ccattatcac ccctgtgact tgcacatata cgtccaggtg gcctgcagga gcccagaagt      480
ctggagcagc caaggaaaaa ccacagagaa gtaaaacagc cagttcctgc cttaactgg       539


<210> 364
<211> 347
<212> DNA
<213> homo sapiens

<400> 364
acagagtctt gctctgttgc cagattggag tgaagtggcg cgatctcagc tcactgcacc       60
ctctgactcc ctgattcaag tgatgctcct gcctcagact cccaagtgtc cttctgaaca      120
gaccttcaca tggatgatat ttgctccggg agaatgcagc atgaacacac agatttggtc      180
acagtaacga atgctccttt gaagaccagc tgaggaggcc gggtgcggtg gctcacgcct      240
ataatcccaa cactttgggt ggctgagaag ggcaaatcac gaggtcagga gttcgagacc      300
agcctggcca acatagtgaa accctgtctc tactaaaaat acaaaaa                    347


<210> 365
```

93

<211> 212
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(212)
<223> n = A,T,C or G

<400> 365
ctgtggtgat aggtgaacan gnatggacat aaggccttcc tcagtggcaa ggatctcaag   60
atcccttctt gatctcagat tctgtaaatg ggataccttt ctccatgtac tgaagcagct   120
caaggccctc gccagatctc agcaccatgc tcttggactt accagcctnc agaactgtga   180
gccaaataaa cttattntct ttataaaaaa aa   212

<210> 366
<211> 422
<212> DNA
<213> homo sapiens

<400> 366
acccgccgct gacttccacc cctctggatc cggcagggtg tccgctgtcc atggaggcac   60
ccattactgc tcccgatccg gctaaaggct cgccattgtt tctgcacggc taagtgccca   120
ggttcgtccc aatcgagctg aacactggtc tctaggttcc acggttctct tctgtgaccc   180
acggcttcta atagagctgt aacactcacc gcatggccca aagttccatt ccttggaatc   240
catgaagcca agaaccccag agacaaagtc tcactctgct gctcaggctg gagtgcaaca   300
gcgtgatcgt agctcaagtc caccaggatt ataggcatga gccattgcac ctggcctgcc   360
cttggaaatt ttaataaaat aaagggctcg caataaaact tttctttaca gaccaaaaaa   420
aa   422

<210> 367
<211> 486
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(486)
<223> n = A,T,C or G

<400> 367
acctctggct cacatcaaga tgttggaagt gaattcttac atatgtactc agcctgaaat   60
ttgactttcc tctgaggcca tgtcaatacg gtcaatacaa aggagagaat tcagcaactt   120
atccaaagga ctcaaggccc caagactggg aatggaggaa aattaagttt agaacaatga   180
agagagacga tttaattatc aaatgaagca tactaatggc ataattggta cacggtggat   240
catgctgtaa ccccggattg cacggatacc tcaacagtga gctgacttag gaacagcacg   300
ttgcactttg ccttccgtaa cctccccgag tgtgcccttc cagatcataa atggaagcct   360
gaggagccaa aacccaagga tgtgctggga actccactga gaggtgatct cttgaccctg   420
gatcactttc ttctanaggn ctgctcaang nggttgtnag atccttgaaa aatgtccaat   480
taactg   486

<210> 368
<211> 258
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(258)
<223> n = A,T,C or G

<400> 368
ttcaggatct caggatctca ggatcacacc ctcagggtct cgctctgtcg cccaagctgg   60

```
agtgcanngg cgcgatcatg gctcactgca gcctcgaatt cctgggctca agatcctctc      120
ttctcaacct tcccgagcag ctgggactac aggcgtgcgc cacttgaact cggctaatat      180
tgnagtattt actaagtttc tgtaaatcct aatcaatnta agggaaanta aaggtttttt      240
taaatggtta aaaaaaaa                                                     258


<210> 369
<211> 444
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G


<400> 369
atggagtctt aatctgtctc ccagactgga gcacagtggc accatctcag ctcactgcaa       60
cctctgcctc ccgggttcaa gcaattctcc tgcctcagcc tcctgactag ctgggattac      120
aggcgcctgc cgtcatgcct agttaatttt tgtattttta gtggagatgg ggtttcacca      180
tgttggccag gctggtctgg aactcctgac cttgtgatcc gctcaccttg cctcccaaa       240
gtgctgggat tacaggcgtg agccactgtg cccggccgga tctgatggtt tttccccgtt      300
tgctcggcac ttctctttcc agtcaccatg tgaagaaaga catgtttgct ttcccttttcc      360
gcctggattt taagttttct gangcctatt ccctaacccg cactgaactg ngagtcatta      420
aacctctttc ctttataaaa aaaa                                             444


<210> 370
<211> 265
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G


<400> 370
ccttcagaag aaagctgggg cctggaatca tgggactttc ccgacttaag tcctctaaaa       60
tcaaccccgg naagaagatg gggatgcacn ggaaacccct gaagaagttt gggagngang      120
aatcnngatt ctgggaagga tattattttt cattttngac cantatttgc nnnnattttt      180
ctntaaggga aaattntngn tggggttttc cctccaccat taccttggat cntaagggat      240
tttttaaatt tatttcaatt tggcc                                            265


<210> 371
<211> 101
<212> DNA
<213> homo sapiens


<400> 371
gacccttttg agcacagttc agcctaggtt aagtccaagc tgaattggcc aattcttttg       60
ctttttaccc tggaagaaat actcataagc cacctctggt t                          101


<210> 372
<211> 252
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(252)
<223> n = A,T,C or G


<400> 372
tctatcggca cggctgncga cttcncctga gcaagcntcc agctngctta cctatgctag       60
```

```
cagctcgatt tttcaggccg cttttttgttn gaanagaaaa tanctcatgc tggtttatta    120
ttnaaataac aaaccttnct ttttggctct caaagntaac ccagacatga atttngaggg    180
ttttatggcc cccncttnna nggcngggtg atgatcacaa aatagaaaca canagggaca    240
ttcatcaaag gg                                                       252
```

<210> 373
<211> 426
<212> DNA
<213> homo sapiens

```
<400> 373
gtttcaggcg ggtcctacct tcaacgacaa tccaacctct tacaacataa aaacagggag    60
attggagaca gacatgggga gaaggccatg tgaagacgga ggcaggaact cctgtgatgc    120
ggccacaagc cacagagggc ctggagccac caggagctgg aagaggcagg agggatcctc    180
ccctagcacc tgtgaaggga acagggtcct gcccacacct ttatttttga cttttggcct    240
ccagaattgt aacgaataaa tttctgttgt ttgaagccac gcagtgtgta taaatttgct    300
actgcggtca ggccgggcgc ggtggctcac gcctgtaatc ccagcacttt gggaggcccg    360
aggcgggaag atcacgaggt ctggagatcg agaccattct ggctaacatg gggaaacccg    420
cattct                                                             426
```

<210> 374
<211> 216
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(216)
<223> n = A,T,C or G

```
<400> 374
agacggggat ctcattttgt tgccccngct ggnctcaaac tcctggcctn aagtgatcct    60
gncaantcgg cctctcgaag tgcngcagan gacaggaatg agccacttgc tcatgccgct    120
nacatcgata atttanatgg ntanncctca aancntntnn aaatccaccc cacataattt    180
tcttgaaata aaccacttgn gtgaaaggag gctcca                             216
```

<210> 375
<211> 152
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(152)
<223> n = A,T,C or G

```
<400> 375
aaagcagatc ttctcgcctt ggtctcccaa agtgctggga ttacaggctt gaactactgt    60
actccgactg acttttccta tttctaatgn cagcatgaat gaacacaaga agtcancttt    120
nanaaggcat ncagcaatat catttattcc cc                                152
```

<210> 376
<211> 328
<212> DNA
<213> homo sapiens

```
<400> 376
gccctagaaa caaagaacca atccagcagc aacaagcatc tctggcagtc tatcatttcc    60
cttcaactga aatcagatct tcttaaagaa atgcttggct ctcagactgg gaacaggaaa    120
tgtacaagat gtgcttcgat atctggtcaa atcagaaact caaaaagcta tcaaagtctc    180
tttggactgt gtcagaaaga ggtgaaaaga ctcccacttg ccaaagacgg gacaatttga    240
gcattcataa gactaatcac tataatggac tatagtgaac tggagtacct taaaatttgt    300
ttcaatccat gatttcataa tgggtgct                                     328
```

96
```

<210> 377
<211> 253
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(253)
<223> n = A,T,C or G

<400> 377
```
acggaatgag ccatgatccc tgantcctna cctcanggag agatgngcag aagagccncc      60
caannggtga tgtgntggnt aacattnnnt gacccatttg acgngtgngg ggaggntcta     120
acngggaaca tatactannt tctgtaatgc ntactcctac taactgctgc ttttaggcna     180
ccaatcgtga tgtcactnaa cacagcantg naatggntgc acatgaatca gttcttatga     240
ttggaagatg aac                                                        253
```

<210> 378
<211> 227
<212> DNA
<213> homo sapiens

<400> 378
```
aaatgggaag gccaaggacg gttttctaa agacatgaca tatgaaccca actctgaagg      60
atgaagatgc aaaaagtaaa agaaagaatc tctcttggtt gagcacagtg gttcaggcct     120
gtaaccccag cactttggga ggatcatttg agcccaggtg ggaagcagga acatttgagc     180
ccaggagttc aagacaggcc caggcaacaa aacgaaactc catctct                   227
```

<210> 379
<211> 444
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G

<400> 379
```
gccaagaagc cagtgtgtcc tctcctggct ctcattccct tcctgctagt tgaatacaga      60
taatcatgag gcccaagacc ctaaggaaca gtgcagccag gagtcggaag gagcctgggt     120
ttctgaatca tcacatggag gggagctgtc ttcagctggg agagctgtct tcagttggat     180
actggatgga gtctcgctct gtcatccagg ctggagtgca gtggcgcagt catggctcac     240
cgcaagctct tcctcccaga gacnggggttt cacccgtgtt agccaggatg gtcttgatct     300
cctgacctcg tgatccgccc gcctcagcct cccaaaatac tgggattaca ggcgtgagcc     360
accacgccca gcttggatta tttttaaaaa ttcaaaaaaa tgaaatcttt attattactt     420
ttnggattaa gcctccttta aatg                                           444
```

<210> 380
<211> 401
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

<400> 380
```
ctttgaagaa agatgacacc acctttgatg agatggggaa acggaagttt agagaagtta      60
agcaactagc acagggtcac agggctagtg aagctccaga agtggaggtg acccagacac     120
ggccctcacg ccagtttaag tagcagctgg agagacctgc tggattgttg gcctttgaaa     180
gggaacattg aaagttgctt gcatttgatg atgattgggt tacatttact tgaattgtgt     240
```

```
aacttttaag ttgcaaatta atgctaaaag tgtattaggg tagccttagg ctgtgggact        300
aattgagaaa cgaagtacaa tggaagtgct gcaagcaagt ggattttcct gcttagagca        360
ggtatttact attaatcctg nggcatttgg ctttaagagg t                           401


<210> 381
<211> 254
<212> DNA
<213> homo sapiens


<400> 381
gtcacgtgag gatcaagaga gaagccacgc atgtcagggc cctggcacat cacagggctc         60
agcaggagca tctatcatca ttggttcatg tctggctgag accagacctt gtaaaaatga        120
gagagaggtg aaagaaagaa cgcagggagg gaagagaagt ttggcagagg aaattgtggg        180
atgaccgact attcaggaga ggccagattt catacattct gatcctaaat atactcatat        240
ttgtcaaaaa aaaa                                                          254


<210> 382
<211> 475
<212> DNA
<213> homo sapiens


<400> 382
ctctccttct tctcagaaac ccctgggttc ttcacagatt ctcgcacatc cagacgctga         60
gccaccccgc acctaggatg ctatgtggaa gccgaggcca cacctcccac atggcccctc        120
tggccagccg ggcatctcag atggaatctc agttttataa gggggagttt ccctgcacaa        180
gctctctctc tttgtctgct gccattcatg taaaatgtga cttgctcctc cttgccttcc        240
gtcatgattg tgatgcctcc cagccatgtg gaaatgcctt ggttcaaatc aacactgaga        300
acagagatga cagatgaagg caagaacgcc taccgcagag ggtttcctcc agcaacattt        360
taccaacaca ttctaatcct cagcaaagcc agcagaatga aggtttctga tcagaaaagc        420
aactataaaa tactgcctta ttcacgtggc ctgtttattc ctggagtggt tttca            475


<210> 383
<211> 172
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(172)
<223> n = A,T,C or G


<400> 383
ctgcttaaga gatactgcat naatcacaac tgaagagccc atgggggana ggcnccaaca         60
gaccctgcac ttgatggacc aactggcnnc acccanatca atacaactgg attnnttnaa        120
ntannggncc cccacccngg aacatgattc tgagcggcga agaccagttc tt               172


<210> 384
<211> 206
<212> DNA
<213> homo sapiens


<400> 384
gatctggtgg atgcatttat caggaaaaat gaccacttct cctagagggc caagaagact         60
tgaaaatgaa aatctcatcc accaacctcc agtcccatcc cccaccctaa atgacacttc        120
tccaaattct cttttaaaat gcttcttgta ttccaacttc acacctatca acacattcat        180
aaatgatatt cataattaaa aaaaaa                                             206


<210> 385
<211> 301
<212> DNA
<213> homo sapiens


<400> 385
```

```
ggaaatgtgg acacagagaa agacaaggag aatgccacac aaagatgaag gcaagtgatg      60
catctacaaa gccaagaaat gtcaaagact gcctgcaaac caccagaagc taagagcaaa     120
agcacaaaag cgattctctc ccacagccct cagaaggaac caaccctaca gacatcttga     180
tctcagatgt ggagcctcca gaactgtaag acaacaaata tctgctgttc taagctactt     240
agcttgtgat aatttgtcaa ggcaacccta ggaaataaat acagggaact tcaaaaaaaa     300
a                                                                     301
```

<210> 386
<211> 303
<212> DNA
<213> homo sapiens

<400> 386
```
aggatgcagc aacaaggtgc catcttggat gcagagagct gccctcaaca gacaactgaa      60
cctgccagca gcttgatctt ggacttcccg gcctgcagaa ctgtgagaaa gagatttcca     120
gttataagtg acttagtctc agaggctgcc taattccgga tggatttgaa agagtgttgg     180
ttttcagatt ctctgccccc actcgtcaac ctctcagttc aggacctccg gtccagaaac     240
aatcagctat ctcattcatc aagcaactct actttgtgaa acataaaatg atacaaacaa     300
aaa                                                                   303
```

<210> 387
<211> 277
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(277)
<223> n = A,T,C or G

<400> 387
```
gcgctgggag ctcctgctta agctncaact gagtaacttc cctggaaaaa gatcaagaag      60
tgaagtgcaa taggaagaca gagaagctag tctaacagga aggcatcgta ttctagcaaa     120
aggaggaccg gccctgtctc tcgtctggaa tctcaagtct atcattagtc tatctcaact     180
aactaactgt atttctttag aacctttcca tgcctcagat tgttttaatt tttttaatgg     240
ggataataaa atctgctaca tttacttcaa aaaaaaa                              277
```

<210> 388
<211> 343
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(343)
<223> n = A,T,C or G

<400> 388
```
atgacatcac tattgtaaaa ccaagaattg gtgctccaga tatttttcag accctgcact      60
caatggatca gctggcacca cccagatcaa taaactggct catctggtct tgnggccccc     120
acccaggaac tgactcagca caagagaaca gctttgactc caatgatttc atctccaacc     180
cgaccgatca acattcccca ctccttgacc ttttatccac caacttatcc tttaaaaacc     240
ccagtctctg aatttggggg gagatcgatt taagtaataa ctctgtctcc ggtgtgccat     300
ggctggctcg tgtcaattaa actctttta ctgcaaaaaa aaa                       343
```

<210> 389
<211> 184
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(184)

99

<223> n = A,T,C or G

<400> 389
gtgatcatgg ctcaactcct atgctcaagc gatcctcctg cctnagcctc nnnngtngct   60
gctgggactg cnnnaacntg ccaccatgcc tggctcaaac acanngtttt tttataaaan   120
tccttggctg ncanaattct accttacctg aagttattca cngggtctgt aatacaccac   180
ttta   184

<210> 390
<211> 213
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(213)
<223> n = A,T,C or G

<400> 390
agatgctcaa ggaggagcag gaagtggcta tgctgggggc gccccacaac ccngctgccc   60
cnttgtcnac cttgatacnn ntgngaaaca aganctcccc tnagcgcncc ngaagaacaa   120
gtggtgctaa cacttcnact ttagcccant gaaacttatt tcagacttct gacttcagaa   180
tataataaat ctgtgttttc ctaagagaaa aaa   213

<210> 391
<211> 425
<212> DNA
<213> homo sapiens

<400> 391
atggtgtccg gaatttcaaa taatactgag ttatgggaat tgccacaaga ccatccacat   60
ttcctgaatc gtgactcctt tcatcttcac tgtcagcatg gtgggttgag tccttctaaa   120
gcttcaaatc tctctgattt ctccttctgc tttatatttc ctgttttttag cctgagaaga   180
ttttctgctt ttaagggctc atgtgattag attgagccca tccagataat ccaggaaaat   240
ctccttattt taagatttgt acccttaatt accaaaacac attccctttt gctatgtaag   300
ataacatatt cacaaattct gagattcagg catagttatt tttggagagg gtgtacttgg   360
tctctcatca taacctaccc aagacaaaac agccaataaa cagtttagta gtttattaaa   420
aaaaa   425

<210> 392
<211> 420
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(420)
<223> n = A,T,C or G

<400> 392
gtctaagagt gatgggaact ccaggcctga ctcancgagc aacctctgtg ggctgcgggc   60
gaagaaatga agagcaaaaa ttcatccatg aacagggcag gacagcatct ggattttcat   120
gcttggtttc atcctccata agcagtctgg cttccagggg acccgtgggg cagaccccac   180
aaccttcatg gctgcatacc cagcacgcta tccattgttc tcctgacagc caagcccaat   240
ccactgcaga gaagagtgtt tgggttgttg cacatccaga taagaaggga ccacagagag   300
gtaacagcaa aagtctagag cacagagctg ctcgaactgg actcagctgc ctggtgaagt   360
tgggggcagg gaaactcatg ctggctaaac agctgtctaa taaatctgcc ctagcatcac   420

<210> 393
<211> 349
<212> DNA
<213> homo sapiens

100

<220>
<221> misc_feature
<222> (1)...(349)
<223> n = A,T,C or G

<400> 393
ttgtttggag ccacaacatc acccgcaggg aggctcggnc gctnnagctg tncanncaag   60
ctaatnngaa ngangnggng gcacttgcnn ccacagagct ncccagccaa agaaccccag   120
ccgatgaaaa atttgctgcg ggacttgctn atntcaagaa gctgttggcc ctgcttgctn   180
ggatcanaac aaaaccтntg gcaggctcnc gtttcgggng actctgancc acacccaagc   240
ttcaaggact tgtatttntg ccctttcac tttaacaccc ttcccttcan cccccactt   300
ncnagaatag ccaanaaaaa ncccaaaccc aattaaaagt ttatgctaa   349

<210> 394
<211> 491
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(491)
<223> n = A,T,C or G

<400> 394
ctctggactt cccagccttg cccttctagg cctgtgatgc tgtgaccctg ccctgcaacc   60
tctcctatgt cctctgactc cccaggacca tccacctgct gttctctcca cctggagtgc   120
tgtcctctac agccatgcct gtgggcttcg ccagcaggtt tcttctcatc cctttcaatc   180
aaactcaaac acctgcttct ctggattcct tggctcaccg gttctcaagc ttgagttggt   240
atcagggcac cctggaaggg ctcattcatt aaaacacgga gtgccangct gtgcttctgg   300
atttcagctg cancaggtcc gtggctgggt cttanaattt gcatttctaa caaangctca   360
attgctactg ctgatgctgg accaangact acactttgag aagtgtaaag tctgctctgg   420
gcaagcttaa aaagccacca ttgatttcta tttgagttta ccaaggggtc attagtacac   480
acagcttcta a   491

<210> 395
<211> 527
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(527)
<223> n = A,T,C or G

<400> 395
tttcaaagtt acacaggccg gatcctccng tcaccagctc tagggaaaga gtggganatg   60
cntgcgctct gntcacaagc acagtagatg ccancccgaa agccaaatna acctccagga   120
accacncang gatcacaggg aaggangaac gaagaaacag gttncaaggc tgancaccac   180
tctgctccct cccaggcaac acacgcaccc cacaggccct gccaggatcg cctcanggtc   240
caggctgctg tggactacac aacagcacca acagatttg ttggcaggaa aaaaggccca   300
atcctggaat gcccactata gccacaggaa gttttcaaag tactctgacc attccccaca   360
cgtaaaacgt cccccctgct atttctcagc ctgtaggaag aagcttagaa gatcattata   420
aaagcaataa tctggccgga tgcggcggct cacgcctgtg atcccaacac tttgggaggc   480
cganggcagg cagatcacct ggaggtcggg agctcgagac cagcctg   527

<210> 396
<211> 562
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(562)

<223> n = A,T,C or G

<400> 396
```
gtgtgctggg tgcctgcagt gtgaaaggag actcctncaa acccctgctg cacctgcata    60
tggagaatgc cattgatgct gggcctcacc aactcctctc ttccccacct tggtcaagaa   120
gcagatggcc tttggatggt tggattggat gctgctgtan aaacagaagt cagggagaca   180
tagtcgccat cacgcctact gttgttttta acgtggacac agactgttag tttcaccgtg   240
ccagatgctg gtggtcaaga taaaattagg ctcttctgca ggcattactt ccagaccagg   300
tctttttttt tgtttttttg gtggtagata gcaataacca tgaaaaaaat caggaaggat   360
gggaaaagca gcagcaaatg ctccaagaag atgagtatgg agatgcagtg ctgctacttt   420
ttgcaaacag gatttgctga acgctatact taacgttact aatcattaag aaattgcaaa   480
tcacaactac aatgagatat tacctcattc gtgttagaat ggctattatc aaaaagatta   540
aaaaataacc aacattggaa aa                                            562
```

<210> 397
<211> 301
<212> DNA
<213> homo sapiens

<400> 397
```
ggaaatgtgg acacagagaa agacaaggag aatgccacac aaagatgaag gcaagtgatg    60
catctacaaa gccaagaaat gtcaaagact gcctgcaaac caccagaagc taagagcaaa   120
agcacaaaag cgattctctc ccacagccct cagaaggaac caaccctaca gacatcttga   180
tctcagatgt ggagcctcca gaactgtaag acaacaaata tctgctgttc taagctactt   240
agcttgtgat aatttgtcaa ggcaacccta ggaaataaat acagggaact tcaaaaaaaa   300
a                                                                   301
```

<210> 398
<211> 473
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(473)
<223> n = A,T,C or G

<400> 398
```
gtcggggcag ggcactcacc aatgaaggac acggccttgg tgttgatgat gccgctgggc    60
agcaggtgga agtcgtactc tttcccatcc accaccaccg tgtggccggc gttgttgccc   120
ccctggaaca gaaacccggc tgagctgaag gcacttgggt actgaggacc ccccggacat   180
ggactgaccc acatggggct tcgtctgtcc ctgcaggca ctgctgttgg attttggggt    240
gtctggtttg gtggccagct ctgatgcgtc tgtgcgggac tgggatgtgg gcatcctgca   300
ccttggaagg agggcagcag tttggtcaag ggcctgggtc ggggaaggnc ttggccaagg   360
ttggngccaa cacctccaag gnggcttggt gcaggtcttt gcaacttgcg ggccccgctc   420
tggagctcgc tcctntcatg caggaatgag gangcctaac ccttccacaa aac          473
```

<210> 399
<211> 418
<212> DNA
<213> homo sapiens

<400> 399
```
ccgtgacagc actggagcct ttcggacacc tggaccatgg accccaggga atgtgtctgc    60
atgtctggag gaatctgcat gtgtggagac aactgcaaat gcacaacctg caactgtaaa   120
acatgtcgga agagctgctg tccctgctgc ccccgggct gtgccaaatg tgcccggggc    180
tgcatctgca aggaggctc agacaagtgc agctgctgcc catgaaagcc atccatcgtg   240
cccacccctt ccaaggagag aaacctggga agtgtctgta cagtgcatga atcgagaagg   300
tggaataatt gtacaatagg ttgtgctttt tatatatttg cccaaatgtg gtgttggtca   360
cattcatgta aagtacttgg ggcaataaag ttttcactct tgggtgcaaa aaaaactc    418
```

<210> 400
<211> 313
```

<212> DNA
<213> homo sapiens

<400> 400
tcccttctaa aaagggaaca ggaactccat tctggaactg acttccttca ctaggagcca      60
agaatctacc ctacgaactt tctggaggaa ctctcagttg ctgaaacgga taattacatt     120
ctggctcact gactcaggac tggccctgtg actcactctc atcaatgaac tctacacaga     180
agtgacgtgt gttgcctctg gggagcagct gtaagcccct tctgcaatgc tgactggcag     240
tggtccagag tgaggctgtt ccctcaatct gagtaagcag agcttactac taaactccta     300
accgaaaaaa aaa                                                        313

<210> 401
<211> 478
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(478)
<223> n = A,T,C or G

<400> 401
acagcatctc actgtcaccc gggctggagt acagtggcat gatcatgact tactgcaacc      60
tccacctccc aggctcaagc aattctcctg cctcagcctc cctagtagct gggactatgg     120
gcccacaaca ccatgcctag ctaatttttc tgtaattttt gtagagactg ggtttcatca     180
tgttggtctc gagctcctgg gctcaagcaa cccacccgct tcggcctccc aaagtgccgg     240
gatgacaggc atgagccacc acacccatcc caaaacagct tttctaactt gacaacgtcc     300
agataagcaa actgcttaca tccacgactt cgtctttgga ccgaaagtca gacaccagaa     360
cggtttcccc attaaacact ttggnaaaaa aaaatgccta ttttggccgg aaataacctg     420
gnggacattg gccgggaggc atttgcanan accctgtcgg aggaacttgg cttaagtg       478

<210> 402
<211> 128
<212> DNA
<213> homo sapiens

<400> 402
gaaggccatg gcccacagag agaagatggc catctgtaag ccaggaagaa aactcccacc      60
agaacctgac catgctggct gcagaattgt gagaaaatac atttcttttg tttaagccga     120
aaaaaaaa                                                              128

<210> 403
<211> 366
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A,T,C or G

<400> 403
ctatccaagt gaccagagga tttctccaac ttccttgatt acagcagcct gatgctttnc      60
ctgnntaaac aaantctagt gaccgcactt cngnccgnca ggnggcgctg nnnctgtatg     120
ncnactcaga gagactgagc tgngcnancc cagaaggcnc cgtncnncnt gntgnntacc     180
ctttcccgga tgntgnncca cgccgngctc ccnaacggcc cttcaatgcg atcaaagttc     240
tacgngcgaa tagccgtcng aatgccaaac ctgactggct tgaaagaang ggtttaacct     300
tgggcaccac agtcttcttt gtggatctat tcttatcaaa acaacaccaa tggaaagaat     360
tttttt                                                                366

<210> 404
<211> 153
<212> DNA

<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(153)
<223> n = A,T,C or G

<400> 404
cttagtagag acaaggattt ggaccatagg tggccatgct ggtcttgaac tggctgacct      60
tgtnattcag cccggcntcg gnctnccaaa gtgcttggga ttacaggcgn gagccactgc     120
acccggnctn tgtattngtt tttttaaaa aaa                                   153

<210> 405
<211> 419
<212> DNA
<213> homo sapiens

<400> 405
aaatatgagg gaaaatattc acagaagcaa ctaatctaga gtcacacgcg catgaaattt      60
ggtgccgtga ctcggatcag gggacctccc ttaggagatc aatcccctgt catgttcttt     120
gctccgtgag aaagatccac ctacaacctc aggtcctaag accgaccagc ccaagaaaca     180
tctcaccaat ttcaaatccg atcttctcgg cttagcggct gaagactgac actgcccgat     240
cgcctcggaa gcccccctaga ccatcacgga cgctgagctt caggtacgca tgtgggcaga    300
ggaaacatgc caaataagga aagttccagg atgatcatat tttaaatcat attttctttt     360
tatttttta tttggccttc atttaccaca agaacaaaga taattatctc aaaaaaaaa      419

<210> 406
<211> 104
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(104)
<223> n = A,T,C or G

<400> 406
tttcacccat caaaacctcc atgaaaggc ccaaatttnt nttggatatt aaccngggtn       60
ggcntttaac aaccctaaat acacgtctgt ttagcccgca tcca                     104

<210> 407
<211> 406
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(406)
<223> n = A,T,C or G

<400> 407
gtatgggaca aagacaagac tagaagtcat cctaccatcc acccagagac aaatgcacgt      60
ttgacgtctt cctctactct atgtttactt tgtttacgt aaaatgcaga tttaaaatgc     120
agaangcata actgactgtt cctctactcc ctcctttcac atgtaacatg tggatccagt     180
gaacgctaat caaagcctca caagaatgtg accccttacc tcactgcata tctacctctt     240
ttttttcttt cctgctttcc ccttctgcca ctctcccctt taaatgttga actcctcaaa     300
atcgtctttg gaaaatgcac agggcacaga tcctactgca actgtgtctc cttcccaggc     360
gtatcctcta tcttggcaaa ataaacctct aaattgagaa aaaaaa                    406

<210> 408
<211> 568
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(568)
<223> n = A,T,C or G

<400> 408
gccctagaaa caagtaccaa tccagcagca acaagcatct ctggcagtct atcatttccc      60
ttcaactgaa atcagatctt cttaaagaaa tgcttggctc tcagactggg aacggaaatg     120
tacaagatgt gcttcgatat ctggtcaaat cagaaactca aaaagctatc aaagtctctt     180
tggactgtgt cagaaagagg tgaaaagact cccacttgcc aaagacggga caatttgagc     240
attcataaga ctaatcacta taatggacta tagtgaactg aagtacatca aatatgtttc     300
aatccatgat ttcataatgg tatcttaaat aattggtcac ttgtggagga ctctacgtaa     360
ccaacccaac aacttgaaaa ctggtaataa agagaaatcc tttattctgc ctttcctata     420
gaaaccataa ctgaacccca tggttgatga agcaatttct cttacacaag cagtctacct     480
aataactgaa gaaaggagcc gagcanggca ngagaagtgg gtggtgggga gaaaaaagaa     540
ttaatnccct aatggagaag gaaaaaaa                                        568

<210> 409
<211> 568
<212> DNA
<213> homo sapiens

<400> 409
agacgaggtt tcgccatttt gcccaagctg gtctcaaact cctgagctca agtgatccac      60
ctgcttcagc ctcccaaagt gctgggatta cagggatcat gaagattaaa taagtagcca     120
tcaaacactg aagtaacaga tctcaagtgg cagaatttca gatattgtaa aggttttaac     180
ttcagagatg ctttacggca aaggactttt gcaatgtctc tgaaatcaca ccacctgatg     240
gcaacctttt ctaaatattc ctaaagtcag cacatacctt taaatacaca tacagcccaa     300
cagctctgga cttctgaaga ggaaatggtg gctcccactg ttcgaaggat gccagtgaaa     360
gctagtgttg gctcctccag ctgaggaggg aacacatgtt taaacatgga acacagctgt     420
ccaggattga tgagtcttcc ttcaagaaag ggaaagacaa ggtgtagcct gtggcaaaga     480
tgacggcatc aatctcctct tctggcatc ttcaaaagaa ggggagtggc tcaatgaact     540
cttgccccat tcgggttcat cacaagtc                                        568

<210> 410
<211> 427
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(427)
<223> n = A,T,C or G

<400> 410
ctcgcaaagg atctccttca tccctctcct gacgaggaga agaggacgac acgcggaana      60
aaacgcnngn tgcgacagcc ccaatncctt acttcntgga tgtganatgn ccatgatgct     120
ntnaantcac cacggcttta gccatgccaa acanccnttt gnacgccccc annancactn     180
nactattgtc cacagntaca ctnttgccat ttgaagaatg ttatgtaaat ggaatcatac     240
agtaaccttt tggaattggc ttttttcact cagcataatt ctctggagaa gttcatccag     300
gttgtcacag gtatcaatag ttcatggngc ggacgtacaa tttaacgttt cacccaccaa     360
aagananatt ggntcttttc agtttttgac tgcgacaaat aaacgaatat taacattcaa     420
aaaaaaa                                                               427

<210> 411
<211> 130
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(130)
<223> n = A,T,C or G

105

<400> 411

```
ttccccacct gccttgattc angatgttct cctatcacca gcacngggcc cagcacngtg    60
ggaggtattc tanccttntt gtttacntgg ntnacaaacc agccggntca tctgcaaaac   120
tgactgtggc                                                           130
```

<210> 412
<211> 141
<212> DNA
<213> homo sapiens

<400> 412

```
aaagccatca atccaagcat tcagtattac atccacttga ctatcctgcc gccttgatta    60
agctgcctgt agactgctgt gcaaggaatt aaataccatc tagaatagaa attcaaacac   120
cagaaacttt gaagaaaaaa a                                               141
```

<210> 413
<211> 115
<212> DNA
<213> homo sapiens

<400> 413

```
gcaggggcat ccagtggttc aaggttacaa taagctgtga tcgtgccact gcattctacc    60
tgggatgaca gagtgggacc ctgtgccaca gagtgagacc ctgtctcaaa aaaaa         115
```

<210> 414
<211> 220
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(220)
<223> n = A,T,C or G

<400> 414

```
actgacagca gcaatcacag tcacattcca cantctctcc agcacccatc canttntang    60
ggngggcaga ggggactgga ncacccaaca acangancca tgtcctcacc tcttgccacn   120
ctcancccct ttattttgan atagatntat ttgaatnaag acaagtatct cancaaatga   180
caatctgacc tttactacna tnttgaacta cacagtttca                          220
```

<210> 415
<211> 104
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(104)
<223> n = A,T,C or G

<400> 415

```
gctacagcat gctggccata gggattggaa ccctgatcta cngncactgn agcataanga    60
agtcggaccc gattagctnc ntgcccctac aaatcgaagt actt                     104
```

<210> 416
<211> 451
<212> DNA
<213> homo sapiens

<400> 416

```
gtcttcattt tcctgcctcc gtttcatggt cacaagatag ctgctgtacc cacatgtcag    60
gcctctgagc ccaagctaag ccatcatatc ccctgtgacc tgcacgtata catccagatg   120
gcctgaagta actgaagaat cacagaagaa gtgaaaatgg cccattcctg ccttaactta   180
```

106

```
tgacatccca ccattgtgat ttgttgctgc cccaccttaa ctgagcgatt aacctcgtga    240
aattccttct cctggcttag aaactccccc actgagcacc ttgtgaccccc cacctatgcc    300
tgcaagagaa aaaccccttt tgactgtaat tttccactac ccacacaaat cctataaaac    360
ggccccaccc ctatctccct tcgctgactc tttctggact cagcccgcct gcacccagtt    420
gaaataaaca gccttgttgc tcaaaaaaaa a                                     451
```

<210> 417
<211> 407
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A,T,C or G

<400> 417
```
gtatgggaca aagacaagac tagaagtcat cctaccatcc acccagagac aaatgcacgt     60
ttgacgtctt cctctactct atgtttactt tgttttacgt aaaatgcaga tttaaaatgc    120
agaatgcata actgactgtt cctctactcc ctcctttcac atgtaacatg tggatccagt    180
gaacgctaat caaagcctca caagaatgtg accccttacc tcactgcata tctacctctt    240
ttttttcttt cctgctttcc ccttctgcca ctctcccctt taaatgttga actcctcaaa    300
atcgtctttg gaaaatgcac angggcacag atcctactgc aactgtgtct ccttcccagg    360
cgtatcctct atcttggcaa aataaacctc taaattgaga aaaaaaa                  407
```

<210> 418
<211> 441
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(441)
<223> n = A,T,C or G

<400> 418
```
gcaaccctca tctaatcaac tgaaaacttg aatagaagaa aaagattgga gtggtgggcc     60
catttcctat atgcttggag tgaactttgg ctacatagct ggccttattt cactactctg    120
gatggtgtac atttttaaag gtatttgttt ttattacaat acaacacata cagtgtgttg    180
aataagtctg acttgtanca atcaatatgt cttttacaaa tggatacacc tatgtaanca    240
caacccagaa caacatatgt ctgagaaccc tttatgattc ccttccaatc agtaacccccc    300
accatgttaa ccattatttt ggacctccac taccatagat aagttctgcc ttcatataaa    360
gagaattata ctgtatgcag tattttgttt ccaactcaat ttattcaaca ttttgtctgc    420
atggattaag gtgcgttctt a                                               441
```

<210> 419
<211> 333
<212> DNA
<213> homo sapiens

<400> 419
```
acacaagcat gtgccttggt gaatgagtaa cttcttaagc cacagatggg cataatctta     60
tttgaaagag gtcttcccag gccagaggtt catctccaac ccgaactaga ctattcctcc    120
agaaagacag aagaaaagag aaggaggaga ggaggcgcag cagctaatgg gcagtcataa    180
ggtgtggcag tcataaggag gatacagcaa gaagacagct ctgtgagcca ggaagagggc    240
cctcaccaga acccgaccat gctggcaccc tgatctcaga cttccagcac ctagaactat    300
gagaaataaa tgtctgttta accacaaaaa aaa                                  333
```

<210> 420
<211> 155
<212> DNA
<213> homo sapiens

107
```

<220>
<221> misc_feature
<222> (1)...(155)
<223> n = A,T,C or G

<400> 420
cggggtggcg cttgtgttgg ctccatgaca ncanatctat aggggncgtc agngaaacgg   60
cgncatncct tttgagcncg ttcagcctgg ntaantccaa gctgaattgg ccnattcttt   120
tgctttttac nctgggaaga aaatactcat aacca   155

<210> 421
<211> 115
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(115)
<223> n = A,T,C or G

<400> 421
tatgataggg gaacaacnca ctctgggggcc tgtganganc acggagagca tcnnganaga   60
acngctaatg ggncctgggc ttaanacctg gtggangggt gcgatctgtg cggct   115

<210> 422
<211> 122
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(122)
<223> n = A,T,C or G

<400> 422
acaatgttac ccaggctggg actgaactcc tggcctttan ccactntccn gcctnancct   60
ntcgagtagc tgctgattac agacgtagca caagccactg ngcctggctt aaaatacctt   120
tt   122

<210> 423
<211> 138
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(138)
<223> n = A,T,C or G

<400> 423
ttcagcttcc tgagtagctg gggactatan gtgatacctg ctcccttttca ccttctgctg   60
tgangnggaa gcttcctgaa gctcctcacc anaaacagat gctggcccca ngcttttttgt   120
acagcttgga ggaaccat   138

<210> 424
<211> 390
<212> DNA
<213> homo sapiens

<400> 424
ggacgggggc agagaaattc tagccagaaa agtgtgggtc actgacaaac cgccactctc   60
aagccaaaaa acctgaaacc acaggccaaa gtgagagctt atatacctgt tttcccactt   120
gaatgctgct ttttcctcaa ccacccctgg ccccgccctg cgccatcctg tgcctattaa   180

```
aaccccagac tcggctagta catgggacta tggctggacg tgggagaaaa gcagcttgac        240
ttcagaagga cagcttaaca gcgtaacttc ggagaagaat ctggctggag atgacctgac        300
ttcaggggaa ggtaatcttc ctacccccctc cgatttacag ctcccctttc cactgagagc       360
cactttttatt taccataaaa atcccccgca                                         390


<210> 425
<211> 328
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G


<400> 425
aactgacgca tggttgnaga tgaaccangc atggagacca agctgcaaaa ttccagaaat         60
gacctccagg ttgttagtct acaacccagc catcgtcaag ataacattag actgcgttcc        120
aggtggacca tgactcaaga tagccaccag accaaggcac ggacacctag cacccagcac        180
cactcctgca tgcctcccac tctaagttcc cctttataaa cacctctcca cagtcgaaag        240
tttgaaatcg tcttttaagg gcatgagctt ggccattccc agatcttggc atttgaataa        300
agtagctctc tgttcatcac aaaaaaaa                                            328


<210> 426
<211> 137
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(137)
<223> n = A,T,C or G


<400> 426
cgaggggggac ctcctgacca aggagctgct ggnctggggn ctgnccatgt tcgaggagaa        60
gaaagagggt cacttcagcg ctntcccntc cctgtctggt ggnnntcang cttaagngag        120
nnggcctttta accttta                                                       137


<210> 427
<211> 458
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(458)
<223> n = A,T,C or G


<400> 427
gggcaagcgt cccattcttc tccctatgcc aatttcaccg tgcagtagag gtcattaact        60
tgtgtaatat ggaggaacca agaacgctgc ttcctcatta cagcagaaga gacagcagcc       120
cccagctgtt atgaaacagt gctgagcttc acaacaggaa agtcttactc cgttgcccag       180
gctggagtac aatggtgcga tctttgctca ctgcaacatc cacctcatgg gctcaagcga       240
ttctcctgcc tcagcctcct gagtagctgg gactacagat gtaggcgaat aacatgaaca       300
ttgcttcatc tttgttccac aagtttctga gacagcaccc ggtaggnatg ggtcttcctt       360
cccctgggct ggggnccgna aagcgaagca tnttttttct tgggcgccca tgcctcttcc       420
agcacctggn attgtagtat aagcttcaat gagtgtta                               458


<210> 428
<211> 423
<212> DNA
<213> homo sapiens
```

109

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

<400> 428
gaggaagagg cagagcaaga cggctcaata gaagcctcca ctaattgtcc tccccactgg   60
aacaccaaat tgaacaacta tccacacaaa gaagcacctt cgtaagaacc aaaaatcagg   120
tgccagacag aaagtcatct ctctgctcaa ctgagacaaa tgcagattca ttgagccaga   180
ctaaggcata cgtgactatt cctctatgtt ccccaacatg taaattgtgg attcagtgaa   240
aggctgattg aagagtcaga agaatgtaac tttttgtctc ttatctacct ggaaccacac   300
cttatctacc tggaactgtc ccctccccgc cccccaatc ctgccctgtt ttgagttgnc   360
ctggcttttt tggaccaaat caatgcncat nttacacata ttgatngatg tctcatatct   420
ccc   423

<210> 429
<211> 233
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(233)
<223> n = A,T,C or G

<400> 429
agccatccga gttaaaagag tggtggataa gaaaagatta gcctttgctg gaggcataaa   60
agaaggacag gcgtacctcg gggatatcac aggtgtggtt ccagacagca accaagtgaa   120
tatcacaata aagcnagtca caaagacatt ttggtttccc agtgcatata aaagctatgt   180
ttatactata aagtgngcaa taacattatg tctaaaaaaa atcgaaaaaa aaa   233

<210> 430
<211> 342
<212> DNA
<213> homo sapiens

<400> 430
gatagcatca ttgactggac ttgcttcatt actatggctt tgcagaatgg atcaacctca   60
ggtagcccta ttacaaaaga ccccacactt gatggatcag ctgtcactac acagagcgat   120
aaactggctc atctggtctt gtggtcctca cgcaggaact gactcagctc aagagaaaag   180
cttcaactcc ctatgatttc atctttgacc cgaccaacca gagctcctga ctcacccacc   240
cactacccac caaattatcc ttaagaactc tgatccctga atgctcggga aattcatttg   300
agtaaaaata aaactccagt ctcctgtaca gccaaaaaaa aa   342

<210> 431
<211> 323
<212> DNA
<213> homo sapiens

<400> 431
gagacgctga gtccacgtgc tctaggattc cctttgtgac ctcaacgacc tgaaacctcc   60
tgactctggc tagagatgga ggcctcacca tgttgaccag actggtctgg aactcctaga   120
ctcaagtgat cctgctgcct tggccttcca aagtgctgga attacaggtg tgagccactg   180
cacctggccc acttcaatct tttgattgtt tcctttggtg tgcaaaagct ttttggtttg   240
ataaaattcc atttgtctat ttttgctttt gttgcctgtg cttttgaggt cttattaaaa   300
aaaatccttg cccagaaaaa aaa   323

<210> 432
<211> 342
<212> DNA
<213> homo sapiens

<400> 432

```
gatagcatca ttgactggac ttgcttcatt actatggctt tgcagaatgg atcaacctca        60
ggtagcccta ttacaaaaga ccccacactt gatggatcag ctgtcactac acagagcgat       120
aaactggctc atctggtctt gtggtcctca cgcaggaact gactcagctc aagagaaaag       180
cttcaactcc ctatgatttc atctttgacc cgaccaacca gagctcctga ctcacccacc       240
cactacccac caaattatcc ttaagaactc tgatccctga atgctcggga aatgcatttg       300
agtaaaaata aaactccagt ctcctgtaca gccaaaaaaa aa                          342
```

<210> 433
<211> 577
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(577)
<223> n = A,T,C or G

<400> 433
```
gtttaggcta tgactcagca caaggaatcg gttccttcct gccttcacca ggaggctcat        60
gaattcaccg tcatgcagag attttaaaga caacaccact tctgctggat caaaaccggg       120
attttaagtg agcccgcagc agacccttgg gattttctgg aacagcgatc ctagtctgct       180
cggcagcggg agtcagctcc atccttctgc aagcggactc ccgtcagaga ccatcgccct       240
ctgctgcatg ctgtgccctg cgccgccctg accaccactc atggaaagag atgatgaact       300
tattaaagcc aacaaccgaa tcctgtatgt cagacagtaa ttctagttgc cacagaaccc       360
agtctagcag ttgaagtccc agaatggaag gaatctgtca acaacatttt tggtcatcaa       420
gtcttacaaa atgtgtgaga agcagaaaga atgttttcaa aggtactata atctataccg       480
cttggaagaa tgctatggng gatcnttcct actcttcttt anaactattt cntnttntca       540
cagctgcaag gagcctngtg anttcatggg tgaagtc                               577
```

<210> 434
<211> 164
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(164)
<223> n = A,T,C or G

<400> 434
```
tggtggtgat acacacctag taaacccaaa tactnccgag gcngccgtgg gagancngan        60
ccctnnaggt ggagattgct nanagggggg ggggcctcct gtgctccagc ctgggcaaca       120
aagcaatact atgttttaaa taaataaata agtgctgaga tctt                       164
```

<210> 435
<211> 265
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G

<400> 435
```
caccattgtg atttgttnct gccccacctt anctgagnga tnaaccttgg gaaattcctt        60
cttctggctc agaacctccc ccactgagca ccttgtgacc cccaccccaa cctgccagag       120
aacaacaccc tttgactgta attttgcttt acctacccaa atcctataaa acggccccac       180
ccctatttcc ctttgctgac tctcttttcc gactcagccc gcctgcaccc aggtgattaa       240
aaagctttat tggttacaaa aaaaa                                            265
```

<210> 436
<211> 248

<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(248)
<223> n = A,T,C or G

<400> 436
tgccccacta agataatacc agtacctaca gcatgttcac ctaancactg gtcaagtgga   60
tattactcaa ccagaatgca aacatttcta ttggtttttag taagacctga aagaggctgg   120
gcgcggtggc taacgcctgt aatcccagca gtttgggagg ctgaggcggg cggatcatga   180
ggtcagatga tcaagaccat cctggctaac atgtgaaacc ccctctctac taaaaataca   240
ataaaaaa   248

<210> 437
<211> 444
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G

<400> 437
ggcagcattc caagaggtgg aagggagagt ctgcaagact tctgaggctg gctccagacc   60
tcactcagta tccccactgc tccatttcag tcagaatgag aaaattgaag atcaaggtca   120
ctcaacataa tcaatttaag tgacaaagct tgcacccagg tcttcagatt ccaaactcag   180
tctgcttcct actacacttc tgcagcctcc ctaatactga ataaaagcat ctcagaactt   240
aaagccgatc gggccacgga atcagcccgt ctctctgctg tgcggctgca gctgtcttct   300
gtgaccaaag gtggtgcacc cattctnnaa aatttttgg cagtttttana aaaattcagt   360
aaagaatgaa ttccctaaaa gtccatggag gacgcttaat taatgaaagn gctttaataa   420
aaaagttatt tccccaaaaa aaaa   444

<210> 438
<211> 161
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(161)
<223> n = A,T,C or G

<400> 438
tcttatacca caccaagctg gacctgngac ttgaggagag ggncttcaac ctcttgccnn   60
gacncacnct cgattatctg aagcnnttct gtgtatccaa cattaatcaa gaaggttgaa   120
gtttcancct tttagcaaat atccgggctg tgatcaatga a   161

<210> 439
<211> 598
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(598)
<223> n = A,T,C or G

<400> 439
atctatgccc cttgatatga ctttgcagtt ccttctacta agaagatgaa tccatttctc   60
cacccgctga gtctgggctg gtcttgtgat gtgcgttagt caatagaagt ggctgaagtg   120

112

```
atggcgcgcc agtttttagc ctacacttca agaagcctat ggacttccac ttgctgtctt    180
gaaaccctgt ttgaaaaagg ttccctgagg acaaggccag actagcctgc tggaggatga    240
gaaagctaaa gcttggtgag attacggaag cctacagtta cacagctgac tccctccaga    300
ggccccatcc acacccactg ttggactcct gctactctcg gaggcttgga gttggtttct    360
cctcccccaa atcggtctca acacttaccc ttacttcctg ctcttcgtgg tctcaacctc    420
actgttcttc gtggactcat tttttctctt ccctttggtt tatttttggc tctttctttc    480
ttttttggct tcagtggagc ctaaccctta agggttttcc ttctctaacc ccttggtccc    540
cttncattct ctttncagcc ctctggaagc tgcaacacag nggttacagg taaaccag      598
```

<210> 440
<211> 319
<212> DNA
<213> homo sapiens

<400> 440
```
aggatgaagg ctatgaagat gagggagcca aggaggagaa ttcccagaac gatggagggg     60
atgaggagca ttagctcccg agattccttg ttctctattt tcactgtcac agaagattct    120
ggaaacaaga attccaattc aggaagaaag aggaatgggc actcacccctt cttcttgcct   180
ttccattctc tgtaaagctg acctgcttcc ctttttatgt tatcttcctc cttgcttcct    240
ttttccaatt ttctcattgc ttttaagtgt gtggtgtata ttaggcgctc aataaatgca    300
tattgaatgc aaaaaaaaa                                                  319
```

<210> 441
<211> 290
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

<400> 441
```
tcacaaggaa catgatagtg gagggcctgc cagntcnnct ctacaggana cnctctgttt     60
atncntccnc actnnccacn tgnntgcatc ntcttgcatt naaatnnatt gagaccctga    120
tanggatata agacgaagcc atttgctata tctcttncaa taataacttg gccccagtat    180
tgggttcgga atntggagtt tgntgntgaa tgggaaagcg ggatgangtt gcntgtatcc   240
aggctttgg tgctgctgtc ctaagaaggg tcaggcctgg tcagcatatg                290
```

<210> 442
<211> 328
<212> DNA
<213> homo sapiens

<400> 442
```
gtgtctgggg tctgtcagga tcaacgggcc ttgagagaga ctgacccaga ggactactaa     60
aagggacacc tgcccaggcc agcctattct accatcctcg ttctcctgca aaaccaaggc    120
cacgtcattt cagcagagga cccgcgtgtg gaaggaccct gcagctggcc catcacagga    180
gaggcccaga ctcacctccc aaggggggccc tggcacatga agatgctggt tctcctggga   240
gtgctgccct ggcccacagg atagaagcgc aggatggtca cccatgtctg ctcttattga   300
atgtgtctta gaagcggcaa aaaaaaag                                        328
```

<210> 443
<211> 153
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(153)
<223> n = A,T,C or G

<400> 443
```

```
ttctctggag ggggtnantt atattttgnt ttcccttttg agcatngttc agcctggtta        60
agtccaagct gaattggcca attcttttgc gtttttaccc tgggaagaaa tacctnatta       120
nagccaccct cttgtttatt ttacccccca att                                    153


<210> 444
<211> 222
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(222)
<223> n = A,T,C or G

<400> 444
gagccttcag tctcttgcct cggcacctgg gtttctttcc gcccacgcct tccttggcct        60
catcatcctg gaagagatac ctagctgctg gctctgtcta gaatactgca tctnccacga       120
ctgcttggaa gctgagactc cttcctgtcc atcaggtctc agcttanagg gaaccacctc       180
acagagaact tcccgttaag cccntttatt taaaaggacc ct                          222


<210> 445
<211> 362
<212> DNA
<213> homo sapiens

<400> 445
atgggagttt tgctctttgt tgctcaggct gggagtgcag tgacaggctc gcagctcact        60
gtattcttct gtgtccagaa cacaaattct gcttctatac ctcgttaaga ccctgcactt       120
gatggatcag ctggcaccac ccggattaat aaactggctc atctgatcat gtggcccccа       180
acccaggaac tgactcagca caagacagct tcaactccct gtgatttcat ctctgtcaaa       240
tcagcactgc tggctcactg gcttccccca cccaccaagt tatccttaaa aactctgctc       300
tggaatgccc agggagactg atttgagtaa caataaaact cccatctccc tcacaaaaaa       360
aa                                                                      362


<210> 446
<211> 477
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(477)
<223> n = A,T,C or G

<400> 446
cggggggctag ccctgcctgg agtttccacg aactttaaag aaatccaagg ctcccccтcc        60
tggagggncc ccaaaagctg ngggcaaagg gttaatgggc tccaaagggc ancttccagg       120
gttgggaggg natataanga acccgtcaag attcaagccc ggacaccana aagacaaagc       180
aagaagaaga cttcctccaa gacccactca agaaccacgt gcaccgcccc tccaaagaat       240
ggtatccccg ttaaaggctt gtggcttgct ctngctgggt gggtgcattg caagcttgcc       300
attgcttggc cctcccaaga acgggaaagc ctttcgtccc catctttcac cctatgggcc       360
gaaactccaa ganggaatgc aagggaaaaa agggaaaccg ggaataaagg ggccaaaaaa       420
gaaaatcccc ttgagtgnta tgggcaaaaa aggtcttggg ggaaggaaaa ggttctt         477


<210> 447
<211> 178
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(178)
<223> n = A,T,C or G
```

```
<400> 447
gggaagtgct cctggtacgc attacctttg tcctacatag aatccccgca ttgcatgtta      60
aagtgaagct gcaatcattt atcgaaggtc actgtaagaa acatcctcat gaaaattaca     120
tatgcaactg ttataaagca tctattaaag ntattgtcca ccttcctaaa aaaaaaaa      178


<210> 448
<211> 629
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(629)
<223> n = A,T,C or G

<400> 448
gaggtctagg tgattctgcc acagcctcag cctccaccgc tctgcgaact gctggttttg      60
gaagattcat agctaagact ccagggcacc cctgaagcca agaaatggtg tcactatctc     120
caagccagac ctgatcacct gtctgtagca agagaaagag ccctgcaatg tgaagagaca     180
tgagacagta gccaaatacc cagccaagga ccaagatggc tgactcgaag cagctgcggt     240
tcgaggctcc cactgagatg aacgaaaacg gtgaatgaat cctacactgg caactaaggt     300
actacaatct ggttttgaag ttgcccaaag aaacttgaat ggcttcctct ttcattccca     360
caaggctctg aaaacactgc tgctgatccg ctgtcttcac tcctatctca ccctggcata     420
actgcactct acttcaactc tatctggaag gagcagagct cangggttct gaccccacag     480
aatgggctcc aggcactaag agctgaacaa cacagaacac ctgttccatg tcgagttggt     540
tatcattta tactttcta aaaacctcaa ggaagatctt caacataagc cctggcataa     600
gacattttct atgtattcaa aataaagaa                                      629


<210> 449
<211> 144
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(144)
<223> n = A,T,C or G

<400> 449
acaaataggg ccttgagtgt taataannaa cactanaata cttgntgaat aaataatcta      60
tcccnnaaag atgtnntact attnacanga tgancaatga ccnagaattg ggnccttna     120
aaaagaatcc ctcctttgga agca                                          144


<210> 450
<211> 322
<212> DNA
<213> homo sapiens

<400> 450
gggcatcagc ctgaatggca ggtcacagga tcctcattcc agaggtgccc gccccatatc      60
cagaggaaag aaacatcttt aactctgaag acacagggat acagaagaat ctgaacaaac     120
agccttgcta aattctcccc agtttattcc cattagatca cacccacttt atccaattat     180
atttctccat gactgtccag tcttcctcaa acttaagcat aaaaatatac aaagtttacc     240
tatttcttta ggtcttcaat ttctcataaa gtctcctgtg tcatgtaaaa cttatattaa     300
atagatttgt atgcaaaaaa aa                                            322


<210> 451
<211> 170
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
```

115

<222> (1)...(170)
<223> n = A,T,C or G

<400> 451
cccactctcc cgcactanga tggctgcctg ccagaagagg tgacaggctg tgaaacagct   60
tatttggcgc tancacgtgg nacacnactt ggctnggctt aancnaaana ctgganaact   120
gcaggntgcc anatcatagg gcttccntta tgaaagaaaa ctacaaaaat   170

<210> 452
<211> 580
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(580)
<223> n = A,T,C or G

<400> 452
gtccacactg ccgttatgag ctgtcgcact cacgtgcgcg aaagtctgca gcttcattcc   60
tgaagccagc gagaccacga acccaccgtg aagaacaagc aactccagac gcgtggcatc   120
aagagctgga acactcaccg cgaaggtctg ccgcttcact cctgagccag cgagaccacg   180
aacccaccag aaggaagaaa ctccgaacat atcagagcga acaaattcca gacacgccgc   240
ctttaagaac tgtaacactc actgcaaggg tccgcggctt cattcttgaa gtcagtgaga   300
ccaagaaccc gcgaattctg gacacaatcc caactacttg ggaggctgag gcagaagaat   360
cgcttgaacc caggagcggg agattgcagt gagccgagat tgtgccactg caccccaanc   420
tnggcacaaa acaggactcc atctcaaaaa ataatgataa tatgttttgg gagggtgagg   480
cttgtggata tcttgagccc angagttcaa gaccagtttg ggcaacatca tgtctctaca   540
aaaaatatga aaattaggcg tggtggcatg taaaaaaaaa   580

<210> 453
<211> 368
<212> DNA
<213> homo sapiens

<400> 453
gctcgcagga aggaggtatt tatccaggaa cggtatggga gatttaatct aaatgacccg   60
ttcctggcac tccagagaga ctatgaagca ggtgctggtg acaaagagaa gaagccagtt   120
tgtaccaacc ccctctccat ccttgaagca gtcatggccc actgcaagaa aatgcaagaa   180
aggatgtccg cacagctggc tgctgctgag agcagacaaa agaaggtatt gaggcgttca   240
aatggtcatt tgccccacaa catggtgtcc aatgaggaga tcacctccaa agttgtttgt   300
tcttcagtat tatattttca gacaggattg caataagtac ttagaagtgc aagaggctga   360
cagattct   368

<210> 454
<211> 428
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(428)
<223> n = A,T,C or G

<400> 454
caaccatacg ggacanttgc gcttgtnatn agttaacggg ngaagtccac aaaacagatt   60
tccacatcgg gcagtcaaac ctatacagca agaaagcagc atctgcaaga aagccctcac   120
caggaccaaa tcagctgaca cctcaanctt ggactaccca gcttcccgaa ctgtgaggta   180
tagattttta ttgtttaagt caccaaggct acggtgtttt taatagcagc ccaagcccag   240
gaatacatca tctgactcac tattttgaat caaactcttc agtttctcca tcaacttagc   300
tggcagctcc tgtccccagc agcatcagag gccccatgaa aagagctcca gcaggggctc   360
aacctgcatg ggtcccatgc ngcaacctta atgncaaaac ctggatnggc agggaagctt   420
tcagtgac   428

<210> 455
<211> 513
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(513)
<223> n = A,T,C or G

<400> 455
```
ataaaaaatc tttcaaaact attaccccaa tatctggaaa tatacattat agtggaaaaa      60
gctttgtatg attatatggg atctgaaatg atggctgtaa cacaaaaaat tgtccaggtt     120
attgggcttg tcaacactat gtttacccag ttcaaattga ctgttatact gtcttccttg     180
gaattgtggt caaatgaaaa ccagatttcc accagtgggg atgctgatga tatattacaa     240
agattttttgg catggaaacg ggactatctc atcctacggc cccatgacat agcatactta     300
cttgtttaca ggaaacatcc taaatatgtg ggagcaacat ttcctggcac ccgtatgcaa     360
taaaagctat gatgcaggta ttgctatgta tccagatgca ataggtttgg agggatttttc     420
ngttattata gctcaactgc tttggnccttt aatggtagga ttnacatntt gatgacctcc     480
ctcagngggt tttngctggg aacttccttg cct                                  513
```

<210> 456
<211> 408
<212> DNA
<213> homo sapiens

<400> 456
```
ggcaaaagct gatagaactg tgcaaggaga aaccgatgaa tcaatggaag tcttcaaggg      60
cacgcaatca gaaatgaaca gatccagcag gcagagaatc agtcaaaaca tagttgctga     120
ctgacagaac tcaagagcac catcaatcaa ttggacataa tgagcacctg aagaccactt     180
cactgaacaa cggcagaaca catattcctc tgaagctcac acggaacatt caccaagaca     240
gaccaaattc tgggccataa aacatacctt aataaactca aaaaaccaga gattatacac     300
tgcatgcttt tagatcacaa tggaattaaa gtagaaatca gtaacaaaaa gatagttggg     360
agatccccaa atatttggaa attaaattct ctggcactta aaaaaaaa                   408
```

<210> 457
<211> 403
<212> DNA
<213> homo sapiens

<400> 457
```
ctctcgtgcc cttctgccct ccaccgtggg atgatatagc aagaagaccc ccaccagatg      60
caacccctttg aacctggact tcccagcctc cagaactatg agaaatgaat ttctttttctt     120
tataaattac tcagtctcag gtattctgtt gtagtagcac aaaactaaga cactgcccag     180
tataccagct acatgtgact atcaagcccc tgaaatatgg atagtctgaa ttgaaatgtg     240
cttagcctgg catggtggct tacatctgga gtgccagctc cttgggaggc taaagcgcga     300
gggtcccttg agcctaggag ctcgagactg cagtgaacta tgaccacatc actgcactcc     360
agcctgggca acagaatgag accctgtctc ttaaaaaata aaa                        403
```

<210> 458
<211> 146
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(146)
<223> n = A,T,C or G

<400> 458
```
gccaagacca catggtttat tatgggaatc ctgaatccaa cccacggatt tccttctttt      60
ngggnnnccc ctttttttttt tttggggggg gcccccttttt ttttttttttt taaaccccccg     120
gggggncctt ttttggggggg aaaccc                                          146
```

<210> 459
<211> 311
<212> DNA
<213> homo sapiens

<400> 459
ggatggtgtt ggatgggagg atgaaatcat ttttagaaga atgtgtcacg tctcaggaag   60
agccagtaga tactgtggga ccatcagcaa atggacacat gagaaatgaa ggagctggac   120
atgccaaggt cagaattggt ggaaacaatc caaccacagg gctatgccac tcccctaaaa   180
gagaaatggt cagtagtaca aatgtcaatt ccaaaatgaa agtagctggt gcttcgcagc   240
ggcttggaag taggttttcc tgagcacctt ccagtcccct caaataaaca aggaatgtgt   300
gtaaaaaaaa a   311

<210> 460
<211> 472
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 460
gtgctccaca aggactgact ccaccccggg cactgtgtcg gcactggaaa catgaaaccc   60
gagctgggag ccagacaggg gttcttcctg agagcctggg aagccgcctg ccctcgtgga   120
atttacggtc taaggagtga tgcacgtgag gcactttgaa agatgtgaag gactgtgtgt   180
aaaacatgtg ccaatttctc gcttcgcaga aggaatttcc actgctttct cagttaagtg   240
tcaagaacct ccaaaagaga tggttcaaga gagctatatt attgaatcag attatgttct   300
ttacacattt tagcatagct cacaaaacca tatgaatggt tctgttttga atattctctt   360
cctaaatgtt ttacatcctg tggggagggg cttggattct gattctgtgt ttaaatccta   420
caagcaggcc cgggtgcgta actcacacct ataatncctg ccctttggga ag   472

<210> 461
<211> 298
<212> DNA
<213> homo sapiens

<400> 461
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg   60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta   120
ccacgcctgg ctaatatttg tattttttgt agagacgagg cttcaccatg ttacccaggc   180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat   240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaaaaaaa   298

<210> 462
<211> 400
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 462
gagctcctgc ttagctgtaa ctcccanggt ggagtgcata ggnatantca tggctcactg   60
nagacttgaa ctcctggncg cangcaatcc tcttntctna atctnccnaa gtgctggaat   120
nacagangng caccantgcg ccngnttatt tctggattaa gctttnncag annaganngn   180
tngnctatgc tgctgagtgt nnntggggat gggactggtg ccatggcnna ttcccggtgt   240
ccactcttgg ctctactccc aaagctgatt atgaatagta tcatgggtct cctggttctg   300
ttccagctgc cctaanccct caagnctact ncntatttct catctagacc tggctgggaa   360
aacaaagnag tnaccaataa atatcaagtg aataaaaaaa   400

<210> 463
<211> 469
<212> DNA
<213> homo sapiens

<400> 463
tcctgatcct ggaagatgct cacctgagga aagtctgcat cagccaagac acacatggct   60
gctgctgctg aagtggaaaa tactgcagtg tcatcaatca atgccttcca catgctcttg   120
gcagaagggc aattagtgtt actcaggatg aaaatgaata taaggctgtg gatgaatggg   180
ttattgaaga gactatcgaa tcagcctggc tgttagaagc ggccagaggc agtggggaag   240
gctccttgtc tgtgctgggc aacagctagt gtagagcagc cttctgtctc aggcttggaa   300
ggggtcattc aagtgacaga aagattagtc atttttacca gattaagtca tttttaccac   360
ttcctccctt ctgggttatc ctctcaacag actcagcaag tagggtccat ctactcacag   420
ggctgtggcc atattttctt ttataaaagc cagaaaatgg aaaaaaaaa   469

<210> 464
<211> 208
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(208)
<223> n = A,T,C or G

<400> 464
tgctgctcac actatgaccc agcgctnaat tcatgccaaa tgcctctcca gggcagccct   60
tggactttnt gcntcttgtc anngctgttn atntnggnaa tcccntacac ngcacgccan   120
ggnacacatt tattaactnn cttanaaacg ttantccttt tcctttttgat tngctggtct   180
ntttgttgaa atatccctgg ggagcaca   208

<210> 465
<211> 136
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(136)
<223> n = A,T,C or G

<400> 465
cttgtctcac gtgctancan nataccacca ccactctgct ntattnttgg gggaaaacnt   60
ctnactntat ggcagccatc catgagantt tcaaaggtct natccatatg agtganacta   120
ctttaaagga ttcagt   136

<210> 466
<211> 124
<212> DNA
<213> homo sapiens

<400> 466
ggccatggcc cacagagaga agatggccat ctgtaagcca ggaagaaaac tcccacccga   60
acctgaccat gctggctgca gaattgtgag aaaatacatt tcttttgttt aagccaaaaa   120
aaaa   124

<210> 467
<211> 426
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature

<222> (1)...(426)
<223> n = A,T,C or G

<400> 467
catgggatt acaactcaag actgattttg atggggacac agagccgaac catatcactg   60
gatcaactgg agtctgcttt cattgtgtgc ttttcctctt ggatttatga atatgtatgc   120
tcttccggca tagccctcta ggaattccag ctgagagcct gccagtagcc taccagggct   180
cctccccttc cagatgctga cctctcatct ttgtcacttc cacatcacag actgtcaata   240
actcctatat gctttggaga agatgtctac taactacttg gcctccagcc tccacataac   300
tcgagaattt gacaagnggc ttggaagaaa aactggagga ngggncaagg atcagcttcc   360
ctgctcagta gatccttacc cctcaagtct ttccactact acaagacacc aaaagctttc   420
ctggtt   426

<210> 468
<211> 500
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(500)
<223> n = A,T,C or G

<400> 468
gtcagccaaa gaggagcaaa gagtcatcca cctcaatcat gttcaggaaa tgatcaggtc   60
aagatgtgga gtgagccagc ttttctcttt cgtgccacat tttctgaccc agcatttcaa   120
gctacccaag gtgcgaaaaa ggaagaaggc caaagggaag aaggtggtgc tgacccttgc   180
ggtcttgaaa aagcaggaga ccatgaaagt ggtgaatctt ccatttgaga aatttggcac   240
tggacaggac attttggcat tggacagaac atccagccca aaagggacct cacttgcttt   300
gtcaaatggn cccatttact aggtgcagca gcaaaaaanc cntcctctat aagcagcnta   360
naatgncctt ctgggattag caagttcacc aagggccttg accccaaaa acttggttna   420
tngggnaagc tggctgggag tcccgancnn aaacaaacca ganaanccc naaactgttg   480
gcctggctgg aaaaaagcca   500

<210> 469
<211> 499
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(499)
<223> n = A,T,C or G

<400> 469
gtcttgtcaa cggaaagggg tccctatcca gaccccaaga gagcattctt ggatctcttg   60
caagaaagaa tttgaggcga atccatagag taagcttagt gatgtgtgtc agacctctga   120
gcccaagcaa agccatcata tcccctgtga cctgcatgta tacatccaga tggcctgaag   180
caagtgaaga atcataaaag aagtgaaaag ggccggttcc tgccttaact gatgacattc   240
caccattgtg atttgttcct gccccacctt aactgagcga ttaacctgtg aacttccttc   300
tcctggctca gaaagcttcc cactgagcac cttgtgaccc ccgccctgcc tgccatagaa   360
caaccccctt tgattgnaat tttcctttac ctacccaaat cctataaaac ggccccaccc   420
ctatctccct tcgctgacac tcttctttgg actcagcctg gctgccctag gtgaataaaa   480
agctttattg ctcaaaagt   499

<210> 470
<211> 260
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(260)

<223> n = A,T,C or G

<400> 470
accatccgga aacatgtggc cctacatcaa ggantttcat ggcgaagggt gaacccctcc   60
ggtgggagga gtctgcttgc tttggtgggg cttaaggttg gccccatcaa ccctggaagg   120
gaaaggggct ngggaaccca ttgaacatgg gagaaataat cccttnggat gcctggcant   180
tccataagga agaaatttgg aaataaattt tctatcaaat aatgtatttt atcaattaaa   240
antttttttt taaagtttta   260

<210> 471
<211> 226
<212> DNA
<213> homo sapiens

<400> 471
tgagatgggg ttttgctatg ctgcccaggc tggtcttgaa ctcctggcct caagtgatcc   60
tcctgcctca gcctcccaaa gtgttgggat tactggcagg agccacagca ctggcctgga   120
tcttcatcat tctaatagat caaaaactgt actcgaagag tgcttcagaa aagactgcag   180
gaaatcagaa aacatactca tggatgctag aacacatcaa aaaaaa   226

<210> 472
<211> 333
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(333)
<223> n = A,T,C or G

<400> 472
aacttggagc aaaagattgn ggtgcattnc gcgcctnctt tgnaaagnct tgctctgtac   60
gcccaaggat gtagcgcagg cggcancaat acttgggtgc aacctaaacc tcccaaggac   120
ctgggattac aaacataatc tgcccacccc nagccctcat acctttntta aaagagccac   180
ctgatntgca caaaagnctg cngttnntgc actaaaggct ttggaatttn cccttaccc   240
taggaangca cattctttac cccatgccat actttaagaa ccccaganct gactctgttt   300
gcncaaanag cacactgggt tggggggta aaa   333

<210> 473
<211> 485
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(485)
<223> n = A,T,C or G

<400> 473
ggaggaacaa actcttcttg gggagagtgn ccctggnggg tgagccttgc nagngaagct   60
gacagctcag aggcaccctg tgnggagggg tcactcnata ggacaccagn ggggggtcctc   120
acttgctgcc ccacttgctt tgatgggcct ttccctgca ggatggtttt ggccgcaatc   180
tataggtggg cnttttaaa tcngtcaaga ccattacaaa agnatccccc cttttcntca   240
caaagggaaa agaagattnt tattncaccc aaaacctata aaagtcntca agaaagggaa   300
atccatngat ntnccgccct tgataaaaac tnccagggcn tcctttttga aatttaccac   360
ctgganttcc ccaaaaaaac ccaaatatgg nccctaccct ttcccaaaag ggggaacacc   420
aaggcaccaa ttttanttac ccancctggg gtnggggtaa anccgggaan ggggggcttt   480
ctccg   485

<210> 474
<211> 229
<212> DNA
<213> homo sapiens

121

<220>
<221> misc_feature
<222> (1)...(229)
<223> n = A,T,C or G

<400> 474
catctacaca gcctgtaggt tttgtcattt tngacagtgc nctcaagaag cnanagcgct   60
agcaaagaat gctttgaatg gcatncgntt cnatcctgaa attctgcacg cactanggaa   120
anaagagnac tncgtaactg tcngcacact aactgactga gcgnaaaana agcngntncc   180
ntgggaaggg ananctnaca aaaacccacg aactgacttc catcattgg   229

<210> 475
<211> 157
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(157)
<223> n = A,T,C or G

<400> 475
gggggggggg tgtctncccc nctaaatnaa atgaggaaga ngcanagaga agaanggagg   60
aagaccnacc cnccctgnta gancaantaa aaagagtaaa agaaattnga agctattgaa   120
acgtgnttct tttgttcacc acgacattca tatcaat   157

<210> 476
<211> 414
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(414)
<223> n = A,T,C or G

<400> 476
tgattcccaa gagggtcggn gttattcaca tnnccccncc ntctcagacg ttgnnggaaa   60
caggatnacc nttntcctga nggaggcacc gattccttcc ctcttcctaa aacatcttgg   120
gttgctcttt gaagctcttg atcaangcag ttgaaaatca aaagaggtct ctctgggna   180
atgntntatg aaccctaccc ccaaatctgt cgcaaaacac cagntggngg gctgggnanc   240
caggcataag ggnttggtca antcttaaag ggttgtnngg aaacccnngg ggcctttttt   300
nnggatttn aggagnacac cttngggaaa cccccctttg acaaaagggg gggttctcca   360
agganttggg aagaggaaaa gaaaatttgg nccctgcct ttggaaaaga aaaa   414

<210> 477
<211> 491
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(491)
<223> n = A,T,C or G

<400> 477
agacggggtt tcaccatgtt agccaggacg gtcttgatct cctgacctcg tgatccgccc   60
gcctcggcct ctcaaagtgc tgggattaca ggcgtgagcc accgcgcctg gcctcaagtg   120
gaatgttcta gaaggcatat gatgtgatct tgcaacagat tgaatgcaga aacagagatg   180
agcgtccagc catcttccat taagccagat tttaagagac tttcaaaaat gtcccagccc   240
ctgaagcaac cagggccacc gtgtggaaac cccctcacca ggaaccgatg caaatgccct   300
cggnttatgt acaagaggaa cccagcaagt tacaggggag actgnggtga tcccagcagt   360
catacaaaaa gtgatctttg acagaagcaa gccacctggt tngaggccac tcaatacatt   420

```
ttatcaagcg tcgcttgctc ttcctttagc ataaagaagn gaagtagggg ggacacgttc      480
accgatagag a                                                           491


<210> 478
<211> 191
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(191)
<223> n = A,T,C or G

<400> 478
atttccgcaa actctactta ctagnggttg cnggaggcaa acaccnaaga tggccaacta       60
acanactcgt tagggactcc aaactcnngc nctcttttgc ntaannctgt acnttanttg      120
attgccagan agccatanna gctcacagng cctgngcttt accccagcnt ccctgaagtg      180
cgggcccgta c                                                           191


<210> 479
<211> 357
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(357)
<223> n = A,T,C or G

<400> 479
gagatgattt ccttcacacc tncttnagag aaacgggtgc tggctaaaaa tgtcccccgg       60
ncangtgtng gtngactngc aacccncaat cattaattat gttcgnactg gcacttacaa      120
ncactnttnc nccctgagca acttntnaca ggcaangaaa atnctgccca nttcttntgc      180
cccgagggca ctacaccatt nggcanggag atcattgacc tcgngttgga ccgnntncnc      240
aagctggctg accaatgcac tgggcttcan ggcttttttg gttttccaca attttttnggg     300
ggggngaact ggttctnggg ttcacccanc ccgcccaaag gaaccgtccc tcaagtt         357


<210> 480
<211> 285
<212> DNA
<213> homo sapiens

<400> 480
ctcaaatgtt gctttttcct aaactaccca tggccccacc ccacctcatc ctgtgcctat       60
aaagacccca gactcaatca gcagagagga gaagcagctg aatgttggag agaagggact      120
tgacttcaga gggacagctt gatggagtaa ccggagaaaa tccagccgga cttcagggga      180
agatcaccta cccctcctct gtcccctttt cagctcccct ctcttcccac tgagagccac      240
tttcatcggc aataaaatca ttcctgcatt taccatcaaa aaaaa                      285


<210> 481
<211> 437
<212> DNA
<213> homo sapiens

<400> 481
atggagtctt aatctgtctc ccagactgga gcacagtggc accatctcag ctcactgcaa       60
cctctgcctc ccgggttcaa gcaattctcc tgcctcagcc tcctgactag ctgggattac      120
aggcgcctgc cgtcatgcct agttaatttt tgtatttta gtagagatgg ggtttcacca      180
tgttggccag gctggtctgg aactcctgac cttgtgatcc gctcaccttg gcctcccaaa      240
gtgctgggat tacaggcgtg agccactgtg cccggccgga tctgatggtt tttccccgtt      300
tgctcggcac ttctctttcc agtcaccatg tgaagaaaga catgtttgct tccccttccg      360
ccatgatttt aagtttcctg aggcctattc cctagccgca ctgaactgtg agtcattaaa      420
cctctttcct ttataaa                                                     437
```

123

<210> 482
<211> 285
<212> DNA
<213> homo sapiens

<400> 482
ctcaaatgtt gccttttcct aaactaccca tggccccacc ccacctcatc ctgtgcctat   60
aaagacccca gactcaatca gcagagagga gaagcagctg aatgttggag agaagggact   120
tgacttcaga gggacagctt gatggagtaa ccggagaaaa tccagccgga cttcagggga   180
agatcaccta cccctcctct gtcccctttt cagctcccct ctcttcccac tgagagccac   240
tttcatcggc aataaaatca ttcctgcatt taccatcaaa aaaaa   285

<210> 483
<211> 298
<212> DNA
<213> homo sapiens

<400> 483
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg   60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta   120
ccacgcctgg ctaatatttg tattttttgt agagacgagg cttcaccatg ttacccaggc   180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat   240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaaaaaaa   298

<210> 484
<211> 108
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(108)
<223> n = A,T,C or G

<400> 484
gacattccac ctttancctt ancattcatg aaacacnaaa nggntttttc tttttgntga   60
tttanaaagc tgctatgaag ctgcacagtg cgnaagaggg cacccctg   108

<210> 485
<211> 565
<212> DNA
<213> homo sapiens

<400> 485
gtatcattat ccatgtggaa gactaggctg gaagagcttg tctccaactt tgaagaagtg   60
aaaaaaccag atgtttgggg caattcagaa gtctgtggaa gttgaaggtg ttaatcaatg   120
gcactcaggt tacttccaag agaaactatt caggatttcc aagtaacgaa gaatcaagct   180
agtttgtaat gtcctcaaag aaagaaacat tttcatttct acatgaccag cagctatcat   240
aggggctggc acacagattt ctcatcctgg gagaaaccag ctgccaggtc ttgaggaaca   300
ctcaagcagc actgtgggga gacccatgtg gtgaggaact ggagcctctg gataacactc   360
agcagaaact gaggccttcc aacaacccca tgagtgatac tgaaagcaga tctcccagcc   420
ccagtcaagc cttcggatga ctgcggccca gtaacagctt gaatgcaacc tccaagagac   480
gttgagctag aagcagctag ccaatccact cttggattcc tgccctcaga aactgataat   540
aataaatggt tgctggttta agctg   565

<210> 486
<211> 509
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(509)

124

<223> n = A,T,C or G

<400> 486
```
actaaggtat ctgaaaaaaa tatataaaag atagaagaaa gtgacccaac gcagaacata      60
ttttctgaca ttatttccgt caagaattga ttggaagaaa aagcatgcct ggaggcagag     120
ggatggattc aatgatttct tgaagtcctt ggcaactggg gaaacgcgct taaaccctac     180
agcagaggag cgggctggcg gtggacaccc cggcctgtgc tccctacatc cacatctcct     240
gagtgcaggc ctcggcggca gagttgcgtt cagaaaacca gcaagcacat cccccaaccc     300
gaaatccgag ggaacgaaga aacttggacg atctcagcct tgtgcttgac aacctatccc     360
ccacctccct taagtggttg gggagggggga tgagccgtgg gggaaattcc atgtgtggag     420
tccaaaggga tacagcccct nccggccaaa tgcaaattca tattcatgag agcgggataa     480
ataaagacaa atcttcgctg taaaaaaaa                                       509
```

<210> 487
<211> 566
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(566)
<223> n = A,T,C or G

<400> 487
```
ccctactgag cctggttggc ggaggggagt cttaaagccg ccgccatctg gagaaccagc      60
tttacaagga ccctcactca ctgctcttcg gcggccccaa agcctctggg gggccctcta     120
tggccaccac ttgctcctcg cccaggagtc atctcatgcc gccgcctccc ccagccctgg     180
tggaagaagc cagcgcggac ccctgcttct ctgccccaga aagtcttcgg agggatgacc     240
ctctgctgac aagctggggg aagttggcgt acagagaccc ccgctttgct gctcatccca     300
gggaaatccc ggccccactc ctgacctcag actcacttcc accctcaagt ggatcgaggt     360
gggggtagcc aggggcgctg tctccagtga caaggtctct gggacccctc atgggctcaa     420
gaccccctcc ccagcagcag ctgtgtgatt catcaccacc cctctgacct nggccccccc     480
attaaagccg cccattcccg ncagcggcag ccggttgtgc gtcancacta cccaggtggt     540
attaaaggag aagacatcaa aaaaaa                                         566
```

<210> 488
<211> 557
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(557)
<223> n = A,T,C or G

<400> 488
```
acccaggaca ggaggactcc ttcgagagac cagtccccca tccttgccct cactcggtga      60
ggagatctac ctatgacctc aggtcctcag accaaccagc ccaaggaaca tctcaccaat     120
ttcagatcgg atcttctcag cttagcggct gaagactgac gctgcccgat tgattgcctg     180
ggaagcctcc tggaccatca cagacgcctt gggtaactct tacagtggag gacaggaatg     240
tcaggccggc ctctgagccc aagcatgcat gtatacatcc agatggcctg aggcaactga     300
agaaccacaa aagaagtgaa aatggctagt tcctgcctta actgatgaca ttaccttgtg     360
acattccttc tccgggacaa gtgagtctcc ggagctcccc actgagcacc ttgtgacccc     420
cgccctnccg caagaaaana acccccttt actgggattt ttcccnccttn cccaattcta     480
taaaannggg ccnctcctat atnccttgn gagnccctt ttngactctn cccanccggg     540
ccccgggagt aaaaaaa                                                    557
```

<210> 489
<211> 196
<212> DNA
<213> homo sapiens

<400> 489

```
gccctgataa aagctgaagc gtctaagagt tgctgaaagg agttcaagta ttagtctcac          60
ctctggtggg acagaggtgt gagcactgga acgagggtgc tcagaggaaa tgctgtgtga         120
ggacacagca agaaggcagc catttacaag ccaggcagag agccttcacc agaaacccccc        180
ccgtttttaaa aaaaaa                                                         196


<210> 490
<211> 458
<212> DNA
<213> homo sapiens


<400> 490
gctgcccagc cacatgattt accttggtcc tagatcacct ccaagttcac caggccatac          60
agggtcttga ggaatgcagg cagaatggcc ttctgtggga tccaagaaaa ctctgaagca         120
gaaaagcctt gagccagcaa gagaggcagt ctcactttgt ttcccaggcc ggtctcgatc         180
tcctgagctt aagcaatcct cctcctcagc ctccgaaagt gttgggatta tagccgtgag         240
ccactgcatc cagcctgcac ttaaactatt atatatatgt tatgatatgt tcatagaagt         300
ggagttgcta gattaaaagg tatgtgcatt gaaagggttt tgattctagt caccacatta         360
ttccttggaa aggcctcagt ttacctctca taggttgtat atgaggacac ctgtttctct         420
gtcttttgcc aatactgagc attttcatta aatgaacc                                 458


<210> 491
<211> 614
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(614)
<223> n = A,T,C or G


<400> 491
gaggttctcc tttgcccatt attcttcctg gccacatcta aagtggatat tggctgcana          60
agaggaagga aggaatggag gaagaacttt cattctttaa agtttcagct ganaaaaagc         120
ccacatcact tttgtgtaca ttctgataca gacaggaggc aggagagtag ggtccctggc         180
aagggctcta ccctcaagcc tggacccacg gccctaaatg anaacaggca ttcctgtttt         240
catgccgaaa tattgccttt tggcccacca tgtccccta tcctgtgtcc atataaagcc          300
caaaccccag gctccatgag cagaagagca gcanagccac atggcaggga agaaaagaag         360
aggaacatct gaacatcgag aggagttcga ctggggaatg gtcatagagg agattggcca         420
caggatggcc aaactccagg ggaagatcat cttcccgctc cgtcactttc cagctcacca         480
tccatcttgc tgagagccac ctccatcact caattcaatt cctgcattca ccatccttca         540
agtctgngng acctgattct tnctggatgc tgggcaagga cccaggtacc aaganggcgg         600
ggtataaaaa gctg                                                           614


<210> 492
<211> 559
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(559)
<223> n = A,T,C or G


<400> 492
ttattgatga tgtcttcaan aaagaaaagg acaaaatgct tgcangaaaa ttccactgga          60
ttttatatct cttttgctct gatttcccgg agacatgngc tttggggaag gactacacat         120
gggcctacaa gacacttctg ggatgttggt tctctttgtc attttcaaca agtctgcagg         180
ngactttatg ttttcatggn ttatttcatt ttacacnacc aaaatgtgtt gccctattga         240
aaagcccagt taccacttgn nggaaatgaa atggggcatt cttggaccca ncacaatctt         300
ttttnacccc cccngggagg nngaaaggnc cnncngctng gnnggggga aatcaagnca          360
agnccccccc caaaaaatct tcattcgggt ncttnttngg ganggaaggg gccccccctt         420
gctttgggga aaaaaaaact ttctttcccn nnangggcaa nnncangccc ccccccttnt         480
ntttnaaacc cnacccccnc aaaaanggag nccnccnntt tccccntcct tttggaaagg         540
```

126

aanttgggcc caggggggtc   559

<210> 493
<211> 702
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(702)
<223> n = A,T,C or G

<400> 493
atgatgcgga gaaagcacaa aaacaaggac aattnggaaa ctcctggaaa actgcccagt   60
cacccaaaga aaaagtcttg gaaaatccct atgtcacctg accaattcct cctgactgtt   120
agcgccctgc agcacgcccg taattccggg gaatttgcct atccctgtag gccccaaaca   180
gaaattactg atgtctgggg accttcaatt tcatacccaa ggaaggtctt gaatttcaaa   240
ggaaaatcaa tccaacgtgc agttgatcgg ttgagattga gcaatcctcc tatagatgtg   300
aaacgaacca gtattcccct tgaaatccag aaactgcagc ccaacttgaa gatctctttg   360
cacagtccta gagcccagtc caccataccc gagcccatga ttatccgctc caggttctct   420
ggcagcttaa agggtggaga ccaagtgacc agttcaattg aaagggcttg tgtgcaagac   480
nggtcccctg accagtatgc aggtcattaa accaaaccgc atgctagctc cacaagtggg   540
cacagccacc ctgtctntta agaaagaacg gcctccatct atacaccctt gatctttag   600
agtgaaccct gaattcntgc tgttgcccgn gaaggaggag angagcncca ggaancccan   660
aagaaggaat attanggccc aggagtcccc ctggggggtgt ga   702

<210> 494
<211> 561
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(561)
<223> n = A,T,C or G

<400> 494
atgaattatc taaaggacac ctcttaagaa gagatgagat ggagccaact gtcagaaaaa   60
aaaatgggtg aagaaagttt caaggagaag actccacaga gcagaatggg aaagatggcc   120
aggagaaaag tgagataata aaaggaaaag cagtccctga cacagaaggc agtgctgttc   180
ctgataagac acatgacaca aaatatggtt ttgctgagta tcaagtttac tgaggctgcc   240
tgggaacttg agctgtcanc caaacaggaa gaagggccct tctgcctact ccaaaaggcc   300
tcagtcaaat ggatatgttt actgaggctg cctgggagct gtcanccaaa caggaagaag   360
ggcccttctg cctaactcca aaaggcctaa gtcaaatgga tatggggaga tttaatgatg   420
gatataaatt acagcaaatg gatttcctat agagngaggg aaaaaaaaaa tccccttctc   480
cggagactga ggcanaattg cnaaaacccg gcaggtggtt gcagtgaacc naaattgtcc   540
attgcnctcc cccccgggcg a   561

<210> 495
<211> 613
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(613)
<223> n = A,T,C or G

<400> 495
gtgttccctt cccaaagaac ttccttcaga tctgcaagaa gatcctgtgc cgccttttcc   60
gggtctttgt ccacgtctat atccaccact tcgaccgggt cattgtgatg ggtgcagagg   120
cccatgtcaa cacctgctac aaacacttnt attactttgt cacagagatg aacctcatag   180
accgcangga gctagagcct ttgaaagaaa tgacgagcag gatgtgtcac taatgctcca   240

127

```
cctcacccctt tggaagaaag gaaagctgtt tcctcctggt gccctgagcg ggcaggaggt      300
ggaccaccct ggctgaaatg acacacctac tcccaggaac agcagaggtg gaggcaagca      360
gtgactcctg agagacattc cccactcact ntgggngctc ttaaccttct gagtgctgct      420
agcccaaacc tgnggacgag gcaaaccca acgtgaaaga aggaccccc cttgaccggt        480
ctggntgggg aattgtccac gaagaaacct tttgcctttc ccacatggac aagtcttgct      540
gtganctgcc gnctaagctt ttactgggaa tcaaggtttt gagactggaa atgcgnggtc      600
ctattttttc cac                                                        613
```

<210> 496
<211> 747
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(747)
<223> n = A,T,C or G

<400> 496
```
tgatcccgaa ggtaccaagc acctgctctc aaaccctgtg ttcacctgca tcatcctggc      60
cgcctgcatg gagattgcag tggtggctgg cttcgctgcc tttttgggga agtacctgga     120
gcagcagttt aacctcacca cctcttctgc caaccagctg cttgggatga ctgcgatccc     180
gtgtgcttgt ctgggtatct tcctgggagg tcttttggtg aagaagctca gcctgtctgc     240
cctggggggcc attcggatgg ccatgctcgt caacctggtg tccactgctt gctacgtctc     300
cttcctcttc ctgggctgcg acactggccc tgtggctggg gttactgttc cctatggaaa     360
cagcacagca cctggctcaa ccctggaccc ctactcgccc tgcaataata actgtgaatg     420
ccaaaccgat tcttcactcc agtgtgtggg gcagatggca tcacctacct gctgcctgct     480
ttgctggctg caacaacacg aatctcacgg gctgngcgtg ccttaacaac cgtccctgnt     540
ganaacncaa ccgtggttcc tggaaaaagc cccagtcctg gggtgccaan aagccttnct     600
cactttcctc tgngggaagg gnatctgcag cctgacggng ccatggcaca aaacaccctc     660
antcatnatt ccttatcang acagcaancc tgaactnaat nttacgcttt ggggaagtct     720
ttttctcctc cttcgtttgg tgggaac                                         747
```

<210> 497
<211> 460
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G

<400> 497
```
gtgatggctg tggacaccta gtgacttatc aggatagtgg cacaatgaca tctaagaatt      60
atcccgggac ctaccccaat cacactgttt gcgaaaagac aattacagta ccaaaggggga     120
aaagactgat tctgaggttg ggagatttgg atatcgaatc ccagacctgt gcttctgact     180
atcttctctt caccagctct tcagatcaat atggtccata ctgtggaagt atgactgttc     240
ccaaagaact cttgttgaac acaagtgaag taaccgnccg ctttgagagt ggatcccaca     300
tttctggccg gggtttttttg ctgacctatg ccaacngccg nccttccana tttaataaca     360
tgtttggaac gagctanccn ttatttgaag acagaataca gcaaattctg cccagctggt     420
tgtaaagacg tagcaggaga catttctggg aatatggtat                           460
```

<210> 498
<211> 127
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(127)
<223> n = A,T,C or G

128
```

<400> 498
```
acttggccca cagcctcaaa ncgtngaaac acccacagnc tgccatngtg ggacaacttt      60
ctggcttttg annggctcct tctncanagc atnggngagn cagcactgnc cggtgtgtta     120
aatcaag                                                               127
```

<210> 499
<211> 444
<212> DNA
<213> homo sapiens

<400> 499
```
ggaaatcctg tttgaaaatg taatttttaa ggacaaaaac gcgacgtggc ggctggcaca      60
cgaacgctga gaaagtgaaa gaggttctaa ggaaagagaa aaatacaccc ttttgcctaa     120
gaattacgct ctgacgagga aaaactattc ggaaacttcc aaacccaggt tgaaggcgcg     180
ttgaagggag ggagagggtc aggggccgta ttttctcttt gctccggacg aatccagcga     240
cccctgtgga gtacccccaa aggtttggtg gtttccaaaa cgagttcccg ggactcggtc     300
cccttctcct cacctgaagc acgaagactt ctcagctggc ctctaactcg ggccagcgac     360
taccactacg gtccaggaga acctgaatgc gccgcgcgtc taggtcctgc ccctggggga     420
aacttgtaag gacggacaga ttgg                                           444
```

<210> 500
<211> 410
<212> DNA
<213> homo sapiens

<400> 500
```
ggacgggggc agagaaattc tagccagaaa agtgtgggtc actgacaaac cgccactctc      60
aagccaaaaa acctgaaacc acaggccaaa gtgagagctt atatacctgt tttcccactt     120
gaatgctgct ttttcctcaa ccacccctgg ccccgccctg cgccatcctg tgcctattaa     180
aaccccagac tcagctagta catgggacta tggctggacg tgggagaaaa gcagcttgac     240
ttcagaagga cagcttaaca gcgtaacttc ggagaagaat ctggctggag atgacctgac     300
ttcaggggaa ggtaatcttc ctaccccctc cgatttacag ctccccttcc cactgagagc     360
cactttcatt agcaataaaa tcccccgcat ttaccatcct taaaaaaaaa               410
```

<210> 501
<211> 354
<212> DNA
<213> homo sapiens

<400> 501
```
ttgctgccgg ccagggtgtt cgtggtctcg ctgccttcaa gaacgaagcc gggccttcgt      60
gcgctcctgc gcactgcctg atgttccctc cctgggctgg atgccgacgc tgggagactc     120
ggaagccgcg tgtggaagat ggcagtgtgg agtggaattg gtggctttat aagaagagaa     180
agagacatgg gccagcatgt tcagcccccт cgccatgtga tgcccggcac caccttggga     240
ctctacagag tccccaccag caagaagccc tcaccagatg cagccattca accttggact     300
tcccagcctc cagaagtgta agaaataaat ttcatttctt aacaattaaa aaaa          354
```

<210> 502
<211> 323
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(323)
<223> n = A,T,C or G

<400> 502
```
ggactaatat tgagatgaac caggcatgga gaccaagctg caaaattcca gaaatgacct      60
ncaggttgtt agtctacaac ccagccatcg tcaagataac attagactgc gttccaggtg     120
gaccatgact caagatagcc accagaccaa ggcacggaca cctagcaccc agcaccactc     180
ctgcatgcct cccactctaa gttccccttt ataaacacct ctccacagtc gaaagtttga     240
aatcgtcttt taagggcatg agcttggcca ttcccagatc ttggcatttg aataaagnag     300
```

```
ctctctgttc atcacaaaaa aaa
```

```
<210> 503
<211> 444
<212> DNA
<213> homo sapiens
```

```
<400> 503
tgaagtctta atctgtctcc cagactggag cacagtggca ccatctcagc tcactgcaac    60
ctctgcctcc cgggttcaag caattctcct gcctcagcct cctgactagc tgggattaca   120
ggcgcctgcc gtcatgccta gttaattttt gtatttttag tagagatggg gtttcaccat   180
gttggccagg ctggtctgga actcctgacc ttgtgatccg ctcaccttgg cctcccaaag   240
tgctgggatt acaggcgtga gccactgtgc ccggccggat ctgatggttt ttccccgttt   300
gctcggcact tctctttcca gtcaccatgt gaagaaagac atgtttgctt ccccttccgc   360
catgatttta agtttcctga ggcctattcc ctagccgcac tgaactgtga gtcattaaac   420
ctctttcctt tataaattaa aaaa                                          444
```

```
<210> 504
<211> 454
<212> DNA
<213> homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(454)
<223> n = A,T,C or G
```

```
<400> 504
cccctggatt gggtgtccca tcatagtacc cctgcaggac tctgttccct ccatctcaaa    60
acctgttaca ctgcaatgaa atggactgct gacttgtctc tttttctaca tgtcccctct   120
gagtctccta gcaatggatg ccgggaaggt gactgaagct ctgagagcca actcttcgtg   180
aagcacttca ggcttttttc atctgcaggc tcagctaacc ctctcaacgg ctctttgaga   240
aaggccaggt tatgtcacag acagatcagg gctcttaggg tccaagagca gaacaggcaa   300
ttgggaagaa agatggacat ggagtcaggg ataccaatga tgttcgtgac cagcaggaga   360
agctgacacc ttttgccatg aaagttgcca cactgggccc caatctggaa gtaactaagg   420
aanaaatcca ttaggagtga gagttgcttg ctgc                               454
```

```
<210> 505
<211> 234
<212> DNA
<213> homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(234)
<223> n = A,T,C or G
```

```
<400> 505
actcaggccc gcctgcaccc angtgaaata tacagccttg ntgntcacac aaagcctgtt    60
tggtggtttc ttcacacgga tgcatgtgac attngntgct gaanacncan gacaggagga   120
ctcctttggg agaccagtgc cctgttgtct ccctcactcc gtgaggagat gcanctatga   180
tctcaggtcc tcagaccaac cagcccaagg aacatcttgc caatttcaaa tcgg          234
```

```
<210> 506
<211> 471
<212> DNA
<213> homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G
```

<400> 506
```
gaggaagagg cagagcaaga cggctcaata gaagcctcca ctaattgtcc tccccactgg    60
aacaccaaat tgaacaacta tccacacaaa gaagcacctt cgtaagaacc aaaaatcagg   120
tgccagacag aaagtcatct ctctgctcaa ctgagacaaa tgcagattca ttgagccaga   180
ctaaggcata agtgactatt cctctatgtt ccccaacatg taaattgtgg attcagtgaa   240
aggctgattg aagagtcaga agaatgtaac ttttttgtctc ttatctacct ggaaccacac   300
cttatctacc tggaactgtc ccctccccgc cccccaatc ctgccctgtt ttgagttgnc   360
ctgcctttct ggaccaaatc aatgcccatn ttacacatat tggnatggng ggccaaatan   420
ttccctaaaa gngngnaaaa gggagcgtga ccctgaccac tttgagccca t           471
```

<210> 507
<211> 320
<212> DNA
<213> homo sapiens

<400> 507
```
attcttccat tgctggcctg ataaagcaag ctgccatgct gtaagctgcc ctaaggagag    60
acacacatgg caagaaactg agactctcag atgacggtga gctaggaact aaatcctgac   120
aactatgtaa gaaagcttgg gagtggacct ttctcagagg aatgtttgga tgagacttca   180
gtgccaagct gacatcttga ttatagcctt gtataatcag aaaactctaa aacaaagaac   240
ctaataatcc ctgcccagat tcccaactca tagaaaaaaa atgagataat aaacttatat   300
tgtgttaagc taaaaaaaaa                                               320
```

<210> 508
<211> 466
<212> DNA
<213> homo sapiens

<400> 508
```
gcggagtctt gctctgtcac caggctggag tgcagtggtg tgatctcggc tcactgcaac    60
ctccacctcc cagttcaagc aattctcctg ccccagcctc ccgagtagct gggactacag   120
gggcagtaag gaaagaatga ttcattttga ctgtgattgc tgggaaagat atcttgaaat   180
ggagactgtg agtagtggat gaagtttgt gtttgctcta ctgacctgaa gtgaggaaca   240
accacataca tctttgtctt cactctgtcc agctgtcaac tgcattgttc cctcacgtct   300
tcctgcaaag taccattatt tccacacctt aagaattaaa gagtgaagag aaaacgacaa   360
aatgttcttg tttatcagga gatgggggtg agctgagctt tccacaaggt cctgaatgga   420
tgagaaggac ccaaaacata tggaaaatat ggagaatagg gtataa                 466
```

<210> 509
<211> 313
<212> DNA
<213> homo sapiens

<400> 509
```
gtgaggacct caagatgaga tcatcctgga ttatagtggg cctgaaatcc aataaaaagt    60
gtctttataa gggatagaaa aggaaaagac acagaagacc atgtgaagat ggaggcagaa   120
actggagtga tgtgtctaca aatcaagcaa cgccaagaat tgcaacaacc acctgaagct   180
aggagtgagg catgggatgg attctctctc agaacctcca gaaggaacta accctcctga   240
catcttgatt tcagacgtat ggtctccaga aaaatgagaa taaattcatg ttgttctaag   300
ccaccaaaaa aaa                                                      313
```

<210> 510
<211> 249
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(249)
<223> n = A,T,C or G

<400> 510
```
actgctcttg acacctgcat ctctttgtgc ggaagcatat tgcttcgagg attaattgga    60
```

```
ctgcntaaaa actgtggnnt gaangagang gacgaagatn actttcnagg acattgngtt      120
gagcacctgg atctaactgt gcctgaagca tganactcga aaccctggac actcaatgta      180
tatggctctc aantccaana cccgatgaat accttcttag ctcttgatgt tgataacatc      240
acaataaat                                                             249


<210> 511
<211> 141
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(141)
<223> n = A,T,C or G

<400> 511
actaagccac ccatggctct gccctgcctc atcctgtgcc tagaaagacc ccagactcat       60
ctggcagaga ggagaagcag ctggatgngg ggacgaccat ggctgcctgt tagagcagaa      120
gcaacttggg ttcagaggga c                                               141


<210> 512
<211> 214
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(214)
<223> n = A,T,C or G

<400> 512
agaaacctgg ctaaggtaac atgggnttnn ncaccnaggt tggagtgann nggcccacta       60
tattctcatt gcatcctntg gnttcnggct aagactntnc tngaccntcn ttnttctgag      120
tagtttggga ccanaaggag cacaccanca cacctggcta attttntgta taaaaatagn      180
ataatttttc taatgcttta tcccgaaaaa aaaa                                 214


<210> 513
<211> 406
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(406)
<223> n = A,T,C or G

<400> 513
taggcccaat ccacgcattn atnancatgg ccccatgagc aaaatntcnn ggcagacntn       60
tataagaatc tgagcttgcg tgtgtgacac acctntacct aatttagcgc ntaaacacac      120
tggnanatac tgcnnangng nggcnncccc cctnttnnat anactctntt cacnctttgg      180
agaccatcac tatcctatga tngctttgca ctgaatgcac tctgctttgt aattatcgca      240
aagagggcgc atcaaactct ctggctatgc atgggccact gactgcantc acatctctgt      300
gatnancatg gcaatgggga anttaagggg gttaacaact aatgttgnct tgccntgnaa      360
cggtcccctt tctggnaaag ctagatattg tccccacaga actcaa                    406


<210> 514
<211> 321
<212> DNA
<213> homo sapiens

<400> 514
ggactaatat tgagatgaac caggcatgga gaccaagctg caaaattcca gaaatgacct       60
ccaggttgtt agtctacaac ccagccatcg tcaagatagc attagactgc gttccaggtg      120
```

132

```
gaccatgact caagatagcc accagaccaa ggcacggaca cctagcaccc agcaccactc      180
ctgcatgcct cccactctaa gttccccttt ataaacacct ctccacagtc gaaagtttga      240
aatcgtcttt taagggcatg agcttggcca ttcccagatc ttggcatttg aataaagtag      300
ctctctgttc atcaaaaaaa a                                                 321
```

<210> 515
<211> 284
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(284)
<223> n = A,T,C or G

<400> 515
```
acctgctgcg gatgtnnttt gacgcactgt atgacgagga cnngnnnann gaggatgcct       60
tctacaggtg gtgagagtac caangacccc gctgagcaat tagaggacaa tggtngtggc      120
ccttaaatct gtcacacaac ttcttcaant ngntccacnn agcngaggac gngtctgacc      180
ncnnnctgaa tggctggtgg ggccggctga cctgtgagcc ccatggacnc ananatggcc      240
cggctaaccg ccnggactgc aaagggggcg ggcttcacac ggcg                       284
```

<210> 516
<211> 358
<212> DNA
<213> homo sapiens

<400> 516
```
actggagtgc agtggcccta tctcggctca ctgcaaacta cccctcccgg gttcaagcga       60
ttctcctgcc tcagcctctc gagtagctgg gattacagga gcccgccaca acacccggct      120
aatgtttgtg ttattttggc agagacgaag ttttaccatg tttgtcaggc tagtcactga      180
cctcaagtga tccacccgcc tcggcctaac aaagtgctgg gattacaggc gtgagccacc      240
caggttctat gtttaaattt gtaaagaact gcttgttttc caaaggagct gccctatgtt      300
tctgttttct ctatagcaat ctttgtttta aaatattatt ttgggtttga aaaaaaaa       358
```

<210> 517
<211> 445
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(445)
<223> n = A,T,C or G

<400> 517
```
gaactaccag catcgatacg ccaagcgcta gtgaaactgc agcaaaagag tccttgcttt       60
aaggaagtct tctgggagaa ggaggatacg cccatgatga aaccaccagg tatgggacaa      120
agacaagact agaagtcatc ctaccatcca cccagagaca aatgcacgtt tgacgtcttc      180
ctctactcta tgtttacttt gttttacgta aaatgcagat ttaaaatgca gaatgcataa      240
ctgactgttc ctctactccc tcctttcaca tgtaacatgt ggatccagtg aacgctaatc      300
aaagcctcac aagaatgtga ccccttacct cactgnatat ccaacctctt tttttctttc      360
ctgctttccc cttctgccac tctcccacttt aaatgttgaa ctcctcaaaa tcgtctttgg      420
aaaatgcaca gggcacagat cctac                                            445
```

<210> 518
<211> 106
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(106)

133

<223> n = A,T,C or G

<400> 518
ctcgggacac ccacgttaaa atgatcaagn tctaacatgt ntgcatacga attacnatgg   60
naataanaat tagccagagc gcttatgcta atgccccaaa aaaaaa   106

<210> 519
<211> 159
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(159)
<223> n = A,T,C or G

<400> 519
cagttcgctc ctccctgata agagatgtcc ccaaggggncg ctttaaggan atgnccccaa   60
antttcccta taaagggntt tnntgaccan atcgggaccc ttancaantg taaaaataaa   120
atctaactct cnttgacagc agaaaaagaa aagttaaat   159

<210> 520
<211> 451
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

<400> 520
atagagtctt aatctgtctc ccagactgga gcacaagtgg caccatctca gctcactgca   60
acctctgcct cccgggttca agcaattctc ctgcctcagc ctcctgacta gctgggatta   120
caggcgcctg ccgtcatgcc tagttaattt ttgtattttt agtagagatg gggtttcacc   180
atgttggcca ggctggtctg gaactcctga ccttgtgatc cgctcacctt ggcctcccaa   240
agtgctggga ttacaggcgt gagccactgt gcccggccgg atctgatggt ttttccccgt   300
ttgctcggca cttctctttc cagtcaccat gtgaagaaag acatgtttgc tttccctttc   360
cgcacgaatt ttaagtttcc tgaggcctat tccctanccg cactgaactg ngagtcatta   420
aacctctttc ctttataaat taaacaaaaa a   451

<210> 521
<211> 155
<212> DNA
<213> homo sapiens

<400> 521
acaaagtggt gaagaaaggg aagaaggaca agaagatcaa aaaaacgttc tttgaagagc   60
tggcagtaga agataaacag gctggggaag aagagaaagt gctcaaggag aaggagcagc   120
agcagcagca acagcaacag cagcagcaaa aaaaa   155

<210> 522
<211> 237
<212> DNA
<213> homo sapiens

<400> 522
gctggagttc agtggcacga tcatgactta ctgcagccta gacctcccag cctcaagtga   60
tcctcctgct tcagcttcct gagtagctgg ggactatagg tgatacctgc tcccttcacc   120
ttctgctgtg agtggaagct ccctgaagct ctcaccagaa gcagatgctg gcaccatgct   180
tcttgtacag cttgaggaac catgagttaa ataaacctct tttctttata aaaaaaa   237

<210> 523

134

<211> 309
<212> DNA
<213> homo sapiens

<400> 523
gatcacattt ccaccactgt gctttcccta agcccacgga tgctggtcag agaagagggt   60
caccagggag acgcaaatca acaggcccag gagacataca caggggaaga atgcaggtga   120
agatgaaggc agagacctcc aaggcaagga atgccaaagc ttgccagcaa accaccagaa   180
acgagaagag agtcatggaa cagatcctac ctcacagctc tctcagaagg aaccaactct   240
ggcacacgtt gaccttggac ttctagcctc cagaaaagtg agataataaa tatctgttgt   300
ttaagcccc   309

<210> 524
<211> 605
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(605)
<223> n = A,T,C or G

<400> 524
gaaactcgga gagcccaaga acaatgatac agctgtcaaa tctttgcggg ccatcaggca   60
ncctctccca cttgtttcca agtctaacac tcttcagatc atcagagaag atgaggttgg   120
gggccctca agtcaacagc acaagggaac actgcaacaa ccccaggcca gcacacacca   180
ttaccgctgg actcaccatt gaacatttcc atttctgaac gcagggtttc taaaatgtgg   240
gaaagggagc agagagaagc tggagttagg tccctcagcc agggacagat ggaggagagg   300
ttgaaggcag gtcaacaaga ccaggggaag aggaaggaag tgaggggctc tgggctatgt   360
ggatcttaag ggaggaagtg agcatgcacc tccnatcttn ttccaagccc atctactgag   420
aaagtacttt gtgctcttct ccaaaactct gacnttntgg ngggaggagt ggatcntttg   480
nttatctctt gagggagggg ncactttna aggacangcc ctgcttancc ctaanacaaa   540
aantgtgacc aaaaaagccc gaaccnaggg gggnccaatc ccggagctgg aaagaactca   600
ttttc   605

<210> 525
<211> 548
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(548)
<223> n = A,T,C or G

<400> 525
ccctgatgca gcttcctagg aacaaggncc ccaacatggc ggtgatgatc aagtccctga   60
ctcggagcac aatggacgcc agtgtggttt tcaaggaccc cacgggagag atgcagggga   120
cggtgcacag gttgctgctg gagacgtgcc agaatgagct gaagcctggc tcagtgctgc   180
tgctgaagca gattggagtg ttttctcctt cacttcgaaa tcactacctc aacgtgacac   240
ccaacaacct ggtccatatt tacagcccgg attctgggga tgggagcttc ctcaagccat   300
ctcagcccctt ccccaaggat tcagggagct tccagcatga tgtggctgca aagcccgagg   360
aaggcttcag aacagcacan aacctatagg canaggcgtn cctgaggaag aactnccaga   420
acagatgacc tggatgggct tctgagtgag ctttcttgaa nacttnttnt gtgggancag   480
tagttgagac tggcccaacg caggacaccc accatgagca ggcngctttt ggcattgtgt   540
tgggcaag   548

<210> 526
<211> 557
<212> DNA
<213> homo sapiens

<220>

<221> misc_feature
<222> (1)...(557)
<223> n = A,T,C or G

<400> 526
ttctggaggc tgaggagccc caggttgagg ggcttcatct ggtgagagcc ttcttgctgg   60
tggagactct gaagagtccc gaagtggtgt ggggaaacat atggtttgtt ttttatcagt   120
gtgttgtaca gagcgaatgg cctcggacct tcaatggctg tgcactgctt tctcaggact   180
ttccctcaaa gggaagaact gacccttatc tctttccctt ttctccacca ttagagctca   240
gagatcccaa gaggcaaagc ggggaaagtt ttagaaatca tttcactctg gaaagctttc   300
agatcacaga ttcctgctca taagtggata aatgatgcag taaaattgaa caaacacagc   360
tcgtcctaca ttctgaagat ggggcacatt tatcagaaga gaaaaactgc cagagagaat   420
tcacatcagt gcagaccgag agtctcagat ggctaagaga tgtgcctgca acttttcaga   480
aataagacta ttaaaagaan gncagcttgg agtcttactg cgaagaatta taaacaaggc   540
ccgtggatta taaatta   557

<210> 527
<211> 485
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(485)
<223> n = A,T,C or G

<400> 527
cctgcctgcc cccagggtgt aatatacagc cttgttgctc acacaaagcc tgttggtgga   60
ctctcttcac acggaccgc gtgacatttg gtgccgaaga cccgggacag gaggactcct   120
tcgggagacc ggtcccccgt cctcgccctc actccctagg gagatccacc tacgacctca   180
ggtcctcagc ccaaccagcc caaggaacat ctcaccaatt tcaaatctgg accccactgg   240
aaatccgact gtccaacccc acagccactc ccagagcccc tggaactctg gcccaaggct   300
ctctgactga ctccctccca gatcttctcg gcttagcagc tgaagactga cactgcctga   360
tggcttggaa aaatttnngg accttcacag atggcttggg tacttcttac agngggagga   420
tgggcctgaa ncaactgaag atccacaaaa gaagcgaaaa tagccttaac tgatgacatt   480
ccacc   485

<210> 528
<211> 117
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(117)
<223> n = A,T,C or G

<400> 528
gcccaaggac atacccaagn tggtcctnaa ancccatttg ttgggngaat ctgaagggag   60
gantnttgnc gctcaacana nncagggatg ggtccattat atgatccatg aaccaga   117

<210> 529
<211> 230
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(230)
<223> n = A,T,C or G

<400> 529
aaaatgccct acgacacaaa ttcacctaca caagggattc agtccgtctt aggttctgct   60

```
aatgacnact cttcttgaag ttcttcaagg ccgagtnaaa aggaaaagcc agccgggcac    120
aatggctcac gcctgtaatc ccancacttt gggaggctga ggcgggcgga tcacctnngg    180
ncangagtgc nagaccagcc tggctaatgt gtntctacta aaaatacaaa               230
```

<210> 530
<211> 131
<212> DNA
<213> homo sapiens

<400> 530
```
gtgcctttca ggcatgtcat cgttgaagaa cataactcaa tgacccgaac agcaaaagtt     60
cctggctcct ctgctggcac tgtcaaaatg gaaatctaaa aagcaaaaat aaagtatcag    120
acacaaaaaa a                                                         131
```

<210> 531
<211> 121
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(121)
<223> n = A,T,C or G

<400> 531
```
tacccttta gagcanggnt nagcctggtt aagtccaagc tgaattggcc aactcttttg      60
cnttttaccc tggaangaaa tactcataag ccacctntgn tnattttacc cctcaatcct    120
t                                                                    121
```

<210> 532
<211> 180
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(180)
<223> n = A,T,C or G

<400> 532
```
atcgacaagg aagatttgca tgatatgctt gcttcattgg ggaaatcact gtgagttcta     60
natcctgatg aatgaggtcc aggcccatca acttcaccat gttctcacca tgttggtgag    120
aagtaaatgg acagatccga agatgcatca naaatgcttt gttgtttgat gaaaaacact    180
```

<210> 533
<211> 451
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

<400> 533
```
cgctgctggg ttagggtctc cacgactgag ctggtctcgg caagtggaac ccaacgttgg     60
ggctcaaacc caggtcgaaa ggtcgccggg gcaatggttg gagaacatgg aactaagctg    120
gaggacaccc gagtgctctt aagcaatccc cgtggccaaa accagcagcc aatttggata    180
ccatcaagac acctgaaacc ttatcatgag ccagatgcca aagaagacat tctagcagga    240
ttgngaggac cccccagttg cagccatgtt gacactgatg ctgaggagga ccccagctgt    300
cacagatggg ggaaaaaaaa ccctgggggga aggggacan cctgtcacaa cgagtaattt    360
aatgatagct tttgatagcg gggggtcact actgcctntg cagatgcana tcccgactcc    420
tgcgagaagt agctcaccgt gacaaagctt g                                   451
```

137

<210> 534
<211> 450
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

<400> 534
caaccccact cctatggccc cacctagaag caattcagcc cacaggagga cagcttcaac   60
tccctgtgat ttcacccacc ccaaccaatc agcagcaagc atctgttacc tggccacccc   120
cacccttcc cccaagctgc ctttgaaaaa cccctaccta tgagctttgg acaagataat   180
ttgaatatga actccatccc ccacgtggca tggccagcct agtgtctctt aagctctttc   240
tctactatat tgccatggtt tttctttatg cagcaggcag gaanaacccc tcaggtggtt   300
accggnaggg ggnttattcc tntaggnggg gggaaacagg acaaagttgc ttgccanagt   360
gtaaaaaatg gaangggggc aatggaaaca acagacntgt gaaanaaaaa ctcataaata   420
ggacttggag agngacaaaa tatgtatcaa   450

<210> 535
<211> 492
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(492)
<223> n = A,T,C or G

<400> 535
acccaggaca ggaggactcc ttcgagagac cagtccccca tccttgccct cactcggnga   60
ggagatctac ctatgacctc aggtcctcag accaaccagc ccaaggaaca tctcaccaat   120
ttcagatcgg atcttctcag cttagcggct gaagactgac gctgcccgat tgattgcctg   180
ggaagcctcc tggaccatca cagacgcctt gggtaactct tacagnggag gacaggaatg   240
tcaggccggc ctctgagccc aagcatgcat gtatacatcc agatggcctg aggcaactga   300
agaaccacaa aagaagtgaa aatggctagt tcctgcctta actgatgaca ttaccttgng   360
acattccttc tccgggacag tgagtcttcn gaacttccca atggagcacc tttgggaccc   420
ccgcccttgc ccgnaanaaa acaaccccct ttaactgtaa ttttccncca cctacccaaa   480
tcttaaaaac gt   492

<210> 536
<211> 408
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(408)
<223> n = A,T,C or G

<400> 536
cgaagccgct ctggaatacn gccgntntgc gnttgnctat atgtnntctn ccaccntant   60
gccatctttt ggcnatgnga gggcccgata anccctgnccc tgtcttcttg acaaagcatt   120
cctaggggtc tttcccctnt cgccaaanga atgcatggtc gtgttgaatg ncgtagaang   180
aancaagttc ctctgtaacc nttcnttgaa gacaaacaac ntggtgtagn aacccttttg   240
nacgcnncnt aaccctccna ccnggtgaca ggtgcctctg cggacaaaag cccacttgta   300
taaaaataca ccttncaaag gcggctacaa cccccaatgc ctcntttang ngnntnngat   360
aanttgntgg aaaagaagcc caaaatgggc tcntccctca agcgtatt   408

<210> 537
<211> 378
<212> DNA

138

<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G

<400> 537
ccccggaatg gaaaaaccac aggntttttt tttggtnccn ncccttttaa atggttcaac   60
ccnaaaccga angtttgaga caatggcgat tggaattgac caccttttgg caagggttnc   120
cgggggaaat ggataaaang gcnnaatttn ccacccgggc nggggcccct ccttgaatgg   180
cgccctgntg cctcntncag cgggataaaa acctnttgcg ggattntccc ctgaattcct   240
taaaacccaa ccnacttttt ggcantncng ggaaagggng aatntttngg gacccnccaa   300
aaggaanttg ggncctttaa aaagggggt tggngtaacc ccccaaanaa ccgggcnttt   360
tttggaaaaa caatgacc   378

<210> 538
<211> 473
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(473)
<223> n = A,T,C or G

<400> 538
cccccccta acgttactgg ccnaagccgc ttgnaataag gccngtatgt gcngnttgtc   60
tatatggtna tnttcccacc atattgccta nntttggnaa tgagagggcc cggtaacntg   120
gccctgtntt tttgacaagn atnnctaggg gtttttnccn tntcgccaaa ggaatgcnag   180
gtctgtntga atgtcctgaa aggaagctag ttnctctgga cncttnttga agacaaacaa   240
cnttgtgtag ccgacccttt gcaggcatng gaacccccca cntgnnnnac nggtgccttt   300
tgcggacaaa nggccncgtg tattaanant cacctggcaa aggtngnaca accccnagc   360
cncgttngtg agtttgggat attttgttgg gaaagaatca aaatggctnt tcctaangcg   420
tattcaacaa cnggnctgaa gggatcncca taaaggtccc catttggctg gga   473

<210> 539
<211> 177
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(177)
<223> n = A,T,C or G

<400> 539
gaagatcctc ggggaganan gatttcttaa aaccaccctt cacaanaatc tatgggaaaa   60
ttcctagctt gagaacttac atcagaaaac cagaataaat aatatatttt attaggnnta   120
tttatgaaac cagaaccatc attaattggc ataacaagaa gttactggga aataatt   177

<210> 540
<211> 162
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(162)
<223> n = A,T,C or G

<400> 540
ataacatgcc ttcagtatac taacactcat atgctcagtt tggtttggtt tggcaggtgg   60

139

```
acagaaagtt aatttgcttt aataaaaatc ctcttcaanc cttctatata aaaagctctt    120
tctgtgggtt natgggggca cactataccc cacaaacctg tt                      162


<210> 541
<211> 673
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(673)
<223> n = A,T,C or G


<400> 541
aatgaattaa catggtatct accgaggaga tgaaancaat ntcaggccac accattctca    60
atgctaccag tgactanacg ctgccggcta agcccatgca cagagagaat cccagtttat   120
cctcacagtg ccctgagagc ggggcgtttg tgctgtcaaa aagccgcgag ccaggggggag  180
agcacatcca acatcccacc aatagctcac cttcttcacc acgctgagct tattccnggg   240
gcgtggtctn aacagccgtn gtnggnangg nnttccccgc tctagaagtg acattggcca   300
aaaggaagag gacancggaa agggaggccg gttttatngg gaaaacccccc ggnggggtgcc  360
ttggnccctt aaattcncaa ggggcccccct tgnccnaagc tttcntggat tcccccttcaa  420
gnggagggtt tcaaggncct gnaangntcc ccacaacctg gncctaagaa attcccttt c  480
nccaantttc cntnacccan ggaaaattgga aaangggggg gnggacccct tggatggnat   540
tcaggggggnc ccgggcccna nnacccaaaa gggccgaagc tnaannaann cgtctttngg   600
ggnaaccaaa ccccaggaac caagccggtn gggganttaa gnaggggcct ngcnaanaaa    660
ggggttcccc ttt                                                      673


<210> 542
<211> 386
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G


<400> 542
gagcagcaac atttcaggac ttnttgggtg gaagaaagtt ggcaganaga acgtccacag    60
ttaatgaagt tactgntgcc tccacgattt aaaaaaaatg cttcttctaa taaatcaaaa   120
attcgcaggc aatataatac ataggattcc ctggcatcgt gaaaaagagg ncactggaca   180
gcanagcatt ttgacaaaac catcttgata tccttcaatt tanctgntgn actgcactca   240
ttgntagagt agcattttat tttaaaggat aacattgcaa catcaaattt taacctatta   300
acctcttaca atgacctggc aaggggacca tggtaacact acaatagcca actggttata   360
aaaaatttaa ttttttttgaa ataaac                                       386


<210> 543
<211> 130
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(130)
<223> n = A,T,C or G


<400> 543
cagttcgctc cttcctgata agaagttgtc cccaaagggt ngnnttaagg aatnttgccc    60
cacagcttnc cccatagaaa ggatttcntg agccagatca ggacacttta gcaaatggta   120
aaaataaaaa                                                          130


<210> 544
<211> 468
```

140

<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(468)
<223> n = A,T,C or G

<400> 544
acaccaaagt taatcaccag cctggtttcc aacagcatag atttggtttc tccatgtttg   60
taaatgaaat catacagctt gtcctctttt gcgtctggct tcttttactg aaagggagaa   120
aaattttaaa acctgaataa gtggaagccc ttataaaaga ggcctgagag agactcctca   180
cccttctgcc atgggaggac acagcaagaa ggcactgtct atgaaccaga aagtgggcct   240
tcactagaca ccaaatctgc tgatgccttg atcttggaca tcccaagttt cagaattaac   300
cacatcagaa acctatgtcc tgagacagtg acatcagcaa gatggcagaa tanggagata   360
ctagactttg ttccccacca aaaaaaacat ttttccggat ttccttaanc ntagatagat   420
caagaagagg ggctcaaata agttcaaccc aagaacctgg aagaaaca   468

<210> 545
<211> 469
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(469)
<223> n = A,T,C or G

<400> 545
aggagctgaa ggtccccta gaggagtatg tccacaaacg ctaccccggg ctggtgaagg   60
tggtaagaaa tcagaagagg gaaggcctga tccgcgctcg cattgagggc tggaaggngg   120
ctaccgggca ggtcactggc ttctttgatg cccacgtgga attcaccgnt ggctgggctg   180
anccggntct atcccgcatc caggaaaacc ggaagcgtgt gatcctcccc tccattgaca   240
acatcaaaca ggacaacttt gaggtgcagc ggnacgagaa ctcggcccac gggtacagct   300
gggagctgtg gtgcatgtac atcaaccccc caaaagactg gtgggacgcc cgggaacctt   360
tttttnccat caggacccca gccatgaata ngctgctcgt tcgnggncaa caaggaannt   420
cttcggngaa atagggcttc ttggatcctg gcatggatgt ataccggag   469

<210> 546
<211> 286
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(286)
<223> n = A,T,C or G

<400> 546
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg   60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta   120
ccacgcctgg ctaatatttg tatttttgn aaaaacgaag cttcgccatg ttgcccaggc   180
tgatctcgaa ctcctgagct caagcaatcc tcccaccttg gcctccaaag tgctgggatt   240
acagggatga gccactacag ccagtcaata aaattacttt taaaag   286

<210> 547
<211> 486
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(486)

<223> n = A,T,C or G

<400> 547
```
actggatcac tccatgtcan gnggaaacat gtccaccaac ttcatcattg tctgttgtca    60
tggttcactt tagatgtaaa cttgactgga ttaaggattc cctaaagtgt caggcctctg   120
agcccaagct aagccatcat atcccctgtg acctgcatgt acacatccag atggccggtt   180
cctgccttac tgatgacatt caccacaaaa gaagtgaaaa tggcctgttc ctgccttaac   240
tgatgacatg gtcttgtgaa attccttctc tggctcatcc tggctcaaaa gctccctact   300
gacaccctgt gaccccactc tggcccgcaa aaaacaaccc cccttttgact gnaattttnc   360
tttacctacc cgaatnctat aaaagggccc acccctatct ccctttgntn gactctnttt   420
ttgggactca gcccacctgn attcaagggg aaanaaacag cttttattgg ctcacaccaa   480
aaaaaa                                                               486
```

<210> 548
<211> 221
<212> DNA
<213> homo sapiens

<400> 548
```
aggatgtggc ttctgcggga gagcttcaaa gggtgcccta cttgcccctc ttggtaacca    60
tgacgtcatg gaaatgggag gggaccgccc cagcccccaa acacctggag ggaagtggga   120
gactttttcc acttcctgtt ctacttgtgg ctactgactc aaagtctgac ctgtttatta   180
attgcaaaat atagctctat gtgtgctacc cagaaaaaaa a                       221
```

<210> 549
<211> 298
<212> DNA
<213> homo sapiens

<400> 549
```
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg    60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta   120
ccacgcctgg ctaatatttg tattttttgt agagacgagg cttcaccatg ttacccaggc   180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat   240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaaaaaaa     298
```

<210> 550
<211> 294
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

<400> 550
```
gaggtcgcag gctggaaggt tggaatatgc cctagatgct ggagcagcga ggtgcgaacg    60
nggcggcagg aagtttctcg acacctcagc ttcttgagta gccgggacta caggcatatg   120
ctaccacgcc tggctaatat ttgtattttt tgtagagacg aggcttcacc atgttaccca   180
ggctgatctc aaactcctga gctcaagcaa tcctcccacc ttggcctccc aaagtgctgg   240
gattacaggg atgagccact acagccagtc aataaaatta cttttaaaaa aaaa         294
```

<210> 551
<211> 298
<212> DNA
<213> homo sapiens

<400> 551
```
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg    60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta   120
ccacgcctgg ctaatatttg tattttttgt agagacgagg cttcaccatg ttacccaggc   180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat   240
```

142

tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaaaaaaa   298

<210> 552
<211> 574
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(574)
<223> n = A,T,C or G

<400> 552
```
gctaaagcaa ggagctgaaa cagccacggg anaccgactg naggtgagaa gcttgccata          60
cgggcctcng gnnactacca ttcngccnat ctctgcacng ctgccagggc ctgctaagac         120
accnacctgc tcctntgaac ggcttcncna gggaatgggc ncntgccaat aacttgacat         180
gagctttggg aaacttgttt tccnnctttt gcctncaacc tgggaaagaa ncatttattg         240
ttttntcaac ccnattagtt tggggggatt tattgttgaa aggcctgtgn ctnnaatacc         300
ngggccntgt tcatgaggcc naggagaaat ttaaganccc ctctgccgct ganaagaana         360
tttntttttat ngctttntgg naccnaacac ccctgngaan aatcttcccn tgcggcttgg         420
caaaaccggn gngnggtaga atttgnctgt gggtnttttt gaaaaaantn tattnaaaat         480
nnggcgntta attccccctg tattaaaaaa aaatatgnat aaccccggnt ttttttttaa         540
cccgggggtt ttttggcccc aaaaaaaggc tttt                                    574
```

<210> 553
<211> 368
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(368)
<223> n = A,T,C or G

<400> 553
```
agatggtgcg gcatgccctg cacgcccacc aacaagacca tccccgctgc nctggagann          60
ccctgcacng agcacccata tgacgccgcc naggncatcc atcctngagc anggcccang         120
gggcatgtnc actgcccnaa cctgcgtagg gactcttana gantcancct tctctcgttc         180
ancctnttcn agcttgcatc agcttgttac ttttagngcc tttatntcaa ttcctntcnn         240
tcccactcat taagaagcta naggaagcgc ttctaagttg ctgnngctct ntggtnacga         300
cannaaggnn nnacatctcc ttcactactt ttcctgnntg gtacacaggg cattgtgatg         360
ttaattaa                                                                 368
```

<210> 554
<211> 202
<212> DNA
<213> homo sapiens

<400> 554
```
gtagagggag agttctgatg caagtactca aaagagaaga caatgtgaaa acagaacaga          60
gagatatgcc aaggaatgct gaccataatc agaagctaaa agaggcaaag aacagtctct         120
ctcctagagc ctccagaggg gcctcaatat ttgattgcag acttctgggc tccaaaattt         180
gaaagataat tctttgttta cc                                                  202
```

<210> 555
<211> 345
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(345)
<223> n = A,T,C or G

143

<400> 555
cccctactga atggatctgc tggcacctag acctcanaga aggggggaact gaagactgaa   60
gtctgaccac tgttctttgt tgaaaatttc tttctcaggg gcttggaggg atcacatcta   120
caatccngag ctaatattct cttctgctgn ccccaaaatt taaacgaagc ttntcttaac   180
ccattgcaaa tganaaaaat ctttgaatct acctatgact ataagccctt atttcaagat   240
atcctgcctt tttaggccag aaccaaagtg taacctccat ctattgattt acaattttgc   300
ctgtaacttt ggctttcctg aaatttaccc caccttaaaa aaaaa   345

<210> 556
<211> 462
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = A,T,C or G

<400> 556
actgagtcta gaaccggaag attggatctt ctgagaacat cagagaaaga ctgtccttgc   60
catccacgct acagcaaaac ttcgggacct tgaacttgga gttcgtaatc tcacagatga   120
aaagggtccc tccacactct tggaactgta cacccattgg aacccttaag gttatgatag   180
aattggctga atggaagtat ctgtgcagct gctggcactg tgacctatgg agaaatgcat   240
caaatgaaga ttatagagat tcagtggtag gggattaatg aagggattgc ttatttagag   300
actgtcaagc ttcagatgat catgcaagaa gggttccagt tagttccana tgaaaacccc   360
cccccttcct tggcaataaa naaacttccc tgcctccntt nacagcccag ggngagagtt   420
ccatgatccc cagtaggtag agactacacc ccaagccagg tc   462

<210> 557
<211> 347
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(347)
<223> n = A,T,C or G

<400> 557
cctatcaggc attattggat tcagtcacaa caggatgaag gacaggcacc aggttccaaa   60
tcatcaatga agcaagtaag gncanagtgc caangaccag agcccaacaa actctggatg   120
ccttcaaagg cnaagaaacc acngccaggg aggagacnca ggatctcagc acaannacan   180
gcacctgngc tcaaaangaa agctgaggag cctgattaaa caaggacaaa ttacctggga   240
cntnaancaa cggtatnctc ccaaagactt gagaaacctt tggnngncct ctttgggaac   300
naaaacttcc atncctccan ncctgttttg gcaaagggtt tcaacca   347

<210> 558
<211> 565
<212> DNA
<213> homo sapiens

<400> 558
ggacagatga ccaaaccttg cagacagcag cgggagctgg agggactttg ttgaggactg   60
ggacccaggt gtggttgctg caatgccctc tgctttggca gagaaaagat gcagattccc   120
aggtcacacc aagtgacctc tccagaacct ggaacagcct ctgtgtggac tgccatggga   180
gagctggagc caccacagaa tcttgctcac cccagggagg tggcagcaat aggatcatca   240
tgactttca ccttgacctt tcaccacagc ctgacccctc caaggtagct gctcaatgcc   300
agtttgtgga tcgacatgtg attcttacat ttgcaacaac atcttctgtg agtagcctgc   360
tcccccagca cgaggaaaat gagactgatc ctgagaggat ttgattcgtg cattctggag   420
ggacaagcct gcctggaaaa gtctcctgca ggagaggcag accaggctgc ccaacctgag   480
tgtggactcc agccttggg cttgccgggc tatattgtcc ttccatgtac ccactaccct   540
cacccagtct taagcagcga cttaa   565

144

```
<210> 559
<211> 120
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(120)
<223> n = A,T,C or G

<400> 559
cccttttaga gcaatgttca agcctgagtt aaagtccaaa gctgaattgg ccaattcttt      60
tgctttttac cctgggaaga aatactcata agccacctct ngttnttta accccccaat     120


<210> 560
<211> 256
<212> DNA
<213> homo sapiens

<400> 560
actccgtact tgatggatca gctgacacca cccagaccag tatctggctc aaccggttct      60
gccatcccac ccaggaacag aaaacagcaa gaaaaactca cttcgaccct ctatgactcc     120
atctccaact tgaccaatca gcactcccca cttcccaagc ccctacccgc caaattatct     180
taaaaactct gatccccaaa tgttcgggga gacaaagttg agtaataata aaattccagt     240
ctcctgcaaa aaaaaa                                                      256


<210> 561
<211> 249
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(249)
<223> n = A,T,C or G

<400> 561
attctgaatt ccattaggac aactgatgcc aaccagtttg aagaccccca cagaggaacc      60
gaatcagnnt ganaatacag ctgtttcttc tncctgtccc atgacttcac cctgcactct     120
tcaacccatc aacaattcaa cacttcggcc tactccaact ncnttaaaat acctagacct     180
aaanggntca gacaaggcag attntgaggn ttccccctgt ctccttattc ggnagcctta     240
tgaaaaaac                                                              249


<210> 562
<211> 193
<212> DNA
<213> homo sapiens

<400> 562
gctgtacagg gaagcatggc tggagaggct tcaggaaact tacaatcatg gcagaaggcg      60
aagagggagg aggaacgtct tacatggccg aagcaggaga aagagagcaa aggttgttcg     120
tgttaagatt ctgtgaagct actcaaacaa attcacgcgg caataaatta aatatttcaa     180
ctttaaaaaa aaa                                                         193


<210> 563
<211> 319
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(319)
<223> n = A,T,C or G
```

145

<400> 563
gtctaatgga agaggaaaac cagagggggag gggtacactt ccacttccac ttcttttcaa   60
cagacctggt ggtggcttcc tttataattg tggccttgat gttgcaccaa gaagccttgt   120
tggacacttc acctttgggc ccacagtctg gcaagatccc ttcctccata ttccaatgac   180
atggctcttc ctggagaata tgctcgtatt cattttctat gtggngctgc tgtttcagaa   240
attcttctgt gattctatac acatggacat gagcattccc tattaaattt tttcatcttc   300
tgtgccatca aaaaaaaaa   319

<210> 564
<211> 472
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 564
caaccccact cctatggccc cacctagaag caattcagcc cacaggagga cagcttcaac   60
tccctgtgat ttcacccacc ccaaccaatc agcagcaagc atctgttacc tggccacccc   120
cacccctccc cccaagctgc ctttgaaaaa cccctaccta tgagctttgg acaagataat   180
ttgaatatga actccatccc ccacgtggca tggccagcct agtgtctctt aagctctttc   240
tctactatat tgccatggtt tttctttatg cagcaggcag gaagaacccc tcaggtggtt   300
accggcaggg ggctaatcat ancatggggg aaacaggaca aaacttgcnt gccagaagtg   360
gtaaaaaatg gaaaggggggc tntggaaaca acagacatgt ggaaagaaaa actcataaat   420
aggacttgga gaagtgacag aatatgtntc aataggaaat aaagatcggt aa   472

<210> 565
<211> 264
<212> DNA
<213> homo sapiens

<400> 565
gtgctcaaaa aacatttgtt gagtaagtga acctgagact atcaacaagc attattttaa   60
aatcactagc aaagggtcag atgaaagtga gatccataca tccttcttca gcaacttgtg   120
cctctgctct gcacctcccg caattaacta ctgaaaaaag aacacagctt cacaaaagag   180
attgtaaaat caggaagtat atctaagtca cctccagtag ccgtaactct accttgtcca   240
gtaaaaggtt gtgaaagaaa aata   264

<210> 566
<211> 378
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G

<400> 566
gtatattacg gtcttatatg aatgacacga agaaacaatg aaattgaagg aaaggaagat   60
gaacgctaag atgtggggac cagtgcaaca gggtgttgca gtacgggaga gagattggac   120
tcaaattcct gttgtttaaa ctacaacagt agcagtgtgt caggcctctg agcccaagct   180
aagccatcat atcccctgtg atctgcacct acacatccag atggcctgaa gtaagtgaag   240
atccacaaaa gaagtgaaaa taaccttaac tgatggcatt ccaccattgt gatttgtttc   300
tgcctcaccc taactgatca atgnactttg aaatctcccc ccccttaan aaggtctttg   360
taattctccc caccccttg   378

<210> 567
<211> 275
<212> DNA
<213> homo sapiens

146

<220>
<221> misc_feature
<222> (1)...(275)
<223> n = A,T,C or G

<400> 567
tttgtgtatt ctagccttgg gggtctttca cgatgccatt cacttgtggc cagnctcgac   60
acagattcca ccattaatgc tcangacaca angcccatta ctctncatac ctgtgcacca   120
attnnaaatn anatatnttg gngccattga aaaactgaca ctctcccatg naaacggcct   180
ngaagggcnt ttncacctga tnatttaaat acacnntgcc cnacatagat ggaaagcttc   240
ttttgttcct ncagangaag aatttattat gggag   275

<210> 568
<211> 157
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(157)
<223> n = A,T,C or G

<400> 568
atggctttcc acatcccgca cccttcnntg tgctgagcnt gtctctcnct accctcttat   60
catctccact ctgangtccc ttnntgnnct gctcacagtg atgtgantct gtcttnccac   120
accactacac ctctttctnt ctgcgaggca aacgatt   157

<210> 569
<211> 540
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(540)
<223> n = A,T,C or G

<400> 569
ggagcttgac ataggtggtg catgaagtgt ctcaagagga agcagagaat aagatctcag   60
ttacacagtc tgggcaagaa tacaagaaaa tcacccaaaa aactgcgacc atcagaggag   120
cctccatgtt agagtctctg ggcctctgtc tcttcanaat ccaccctgga aacagtgtgc   180
atcaaaacac tttggagttc ttagaggcac ttggaattat ctgctggctt cccacctta   240
aagagactgg gctagttaaa tatcccctc tgttcatttt ttaaatttgt gagtttattt   300
tttgattatt actctaatng ggggctaaca ttaacattta ctgggcaagt gtcagggagg   360
tcaacattat gcatgtttga gatagtcctt tgccatgaag aattgttctg tgtcccatgt   420
gacttttgta tgtccaactg ggcagttgtg aattcagaaa acctcgtgta taattattca   480
aactcaaagc ctaacttcat tttacatgca aacacaatgt atttattacc agttttaatc   540

<210> 570
<211> 130
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(130)
<223> n = A,T,C or G

<400> 570
gtttccgtcg ggcgcagtgg ctcangcctg caatcccaac acttttgaaa ggcaaaaggt   60
gggcgggatc acccgaggnc gggagaccag cctgaccaac atgaanaaat cccgtctcta   120
ctaaaaaaaa   130

<210> 571
<211> 366
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A,T,C or G

<400> 571
```
agacagggcc ttgaactcct agcctcaagt gatcctactg cctccacctc ccaaagtgtt       60
gaaattaccg gcctgagcca ctgtgtctgg ctcctatgtt gtccttataa gaacaccatg      120
tgaagataca gagacacaca gggaaaaagc ccatgcgaag acagagacag agactgaagt      180
gctgcagcta caagccaaag aatgctgagg attgctggca accaccanaa gctaggggag      240
aggcatgtgt ggtttntgct gcanaccctc cagaaggaac taaccctgct gacaacttga      300
tttaagagtg cttgcttcct tgaattggga ganaataaat ttctgttctt taaagccaaa      360
aaaaaa                                                                  366
```

<210> 572
<211> 300
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 572
```
gtcgcaggct ggaaggttgg aatatgccct agangctgga gcagcgaggt gcgaacgcgg       60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta      120
ccacgcctgg ctaatatttg tattttttgn agagacgagg cttcaccatg ttacccaggc      180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat      240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaaagcc caaaaaaaaa      300
```

<210> 573
<211> 326
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(326)
<223> n = A,T,C or G

<400> 573
```
ggctccatga cagtggtgac angtcaaggc cgtggctggg atgcttgtct tgtccattca       60
agggaacctg cagcttgact accccatctt ctacgtgatg ttcgtgtgca tggnggcaac      120
cgccgtctat caagctgcgg ttttgaagtc aaaccttaca agangtacca actccttttt      180
gattgncaag gngggcttca ntttgnccac aaccnttnct nttacaanan gggcaatatt      240
ttacctggac tttatngggg aggacnngct gcacatttgc atgtttgcac tgggggggcct      300
nattggattt ttggggcggt cttctt                                            326
```

<210> 574
<211> 264
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(264)
<223> n = A,T,C or G

<400> 574
cctgtgggaa ccaacgagtt cacagctgag cagtgttttg gtgatggctn gaacngngct   60
nnttnctnna ttattgacct gnngggccag ncangtctgt tttganctgt tnaaaatttt   120
tggtaccncc tnctaaaaag tgccaaaagc cntgaccggn aanggatgaa aataaattaa   180
aaatggtgcc cccttgaana aaaaatggcc cgacccggat canggaaagt tatcangaat   240
ntttgaacaa atgaggtttt ttgc   264

<210> 575
<211> 142
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(142)
<223> n = A,T,C or G

<400> 575
gagaagagaa tttccagcac tttgggaaaa tgtggaagtc tgccttggag aggagagact   60
gcgggtcact acactaacac aagagccaga gagaaaactg gacaaaaagt gngttcnttt   120
caacntgggg cggtcacagg ta   142

<210> 576
<211> 169
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(169)
<223> n = A,T,C or G

<400> 576
ttcttatttc atggaaaaga cactangann acccttttgg agcatagatt caagccctgg   60
ntaaagtcca agctgaattc gtgggcctag cggccgcgaa ttcttttgnt ttttaccctg   120
gaagaaatac tcataagcca cctntgttat ttacccccaa tcttcacaa   169

<210> 577
<211> 151
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(151)
<223> n = A,T,C or G

<400> 577
aaattttttg atattccntt tttggagnca aagttgcagc nctgagttaa aagtccaagc   60
tagaattctt ttagcttttt accctaggaa gaaatactca taagccacct cttgttattt   120
acccccaatc ttcacaaaga aaaaactggt a   151

<210> 578
<211> 214
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(214)
<223> n = A,T,C or G

<400> 578

```
aaaaactctt gaagacnttg atctgggncc tactgaanaa ngtgtgagag tcnactcagg       60
tgncaacncn gccngaagaa gacctanaga ccctttttgca atcccggtcc ttccttccag      120
cctgatgtac caaggnggaa gcctgaaaat ncagnggttg nngacnntta ttcacttaaa      180
gggcgaaact tgacaaccaa tgattaatcc tttg                                  214


<210> 579
<211> 612
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(612)
<223> n = A,T,C or G


<400> 579
gaactgaggt ctactcaact ctgaaagcaa tactaacaaa tagaagatgt gtactcggtt       60
tacatcatgg aaataaagat ttgtttcact agttttgctg ctggaagagg agagaagatt      120
ctcatcgcac tgtccccaca ctacgtaatt ctaagaaatg gcaggcaact tataccacga      180
ggatccagtc aacactaaag ggataatgac agtctaaata tatccactga ccacttgaaa      240
aaaatatgtt aagtggtgaa atgagcttaa aggtgaaaga gttcaagaag gtctaactat      300
gcagtttcct gttgactgcg gtcatctgtt ccctttcggg aagctcaaag actgaccaag      360
ctggaagagg cagcatgctt tcccaataag ggtgctacat ttctgtgcac caatagtcag      420
aatcacatat ttagtagcag gcaagcagca gcaggtgaat gacagataaa gttactctac      480
ctaattagat tgaaatacccc acacctttgc tgaatgcaaa atacaaaggc gatcagactt      540
ganggctatt tgtgcttaag gaaaatattg tatatgacat agaaaaataa tttcatatgg      600
tgaaaaaaaa aa                                                          612


<210> 580
<211> 264
<212> DNA
<213> homo sapiens


<400> 580
gcacaatgtt tggaccagcc caggatacct cactcacaag aacttctatc ggacttagct       60
tatccctcag aagaccctgg acaccaccaa aggtcatcag cacaatcttg atggatgtct      120
aagaattgaa gattgatttt tgcctaatga caataaagtc atcactaagt taaatatcta      180
taaattaaat atctattaaa tatgtattaa atatatagta aatatttaat tgaatattaa      240
atgcatgtat attcacaaaa aaaa                                             264


<210> 581
<211> 227
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(227)
<223> n = A,T,C or G


<400> 581
ccttgtgaca ttcctnncct ggacaatgag tnccatgatc tcnccaccct gcaccttgag       60
accctgccc ctgcccgcag ganataacca antttaactg taattttcna ttacctaccc      120
aaatcctata aaactgcccc actcctatct ccntttgctg aatnctttct cggactcagc      180
ccacttgcnc ccaagtgaat aaacagcctt gttgctcaca aaaaaaa                   227


<210> 582
<211> 288
<212> DNA
<213> homo sapiens


<400> 582
gtcttcctta atatatgtca gcagtggagt ggtgtgctta aggagagaga gacttggaaa       60
```

150

```
aatacagacc gagaacaagg ccatgtggag atagaggcag agactgaagt tgtaccacca        120
aaggcaaaga atatcaagta ttatcagtaa ccacaggaag ctggaagagg ccaggaaagg        180
tttttcttag agaccttgga aggagcctga ccctggaaca ccttgatttt agacttctga        240
ccctcaaaat tgtgaaagaa taaatttctg ttgttttaag caaaaaaa                     288


<210> 583
<211> 104
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(104)
<223> n = A,T,C or G


<400> 583
agtgtgggtc ctttcccgcg actacctgct tgcctctctc aaaacctgca agtgaaagtg         60
ccggaagatc tgnctatntt tttngngggg ccagaacccc aagg                         104


<210> 584
<211> 522
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(522)
<223> n = A,T,C or G


<400> 584
gaaccaattc caatgcacag cttccaggga tgagcaatgg aggacagaat ggaatagagc         60
aggaactaag caaggatgct aatgcaagat atagccggtt caggcgattc tcctgcctcg        120
gcctcccaag tagctgggac tacagatgcg cgccaccaca cccagctaat ttttgtattt        180
ttagaagaga tggggtttca ccatgttggc catgctggtc tcgaactcct gacctcaggt        240
gatccaccga acttggccta ccaaagtggt gggattacag gtgtgagcca ctgtgcctgg        300
ccttgtgcct gcttatttat ctgaagataa tcacctcaac ttccatccat gtagctgcaa        360
ataatgtgat ttcattcttt ttacggctaa tattccattg tgtatatata ccacattttc        420
tttatccagc catccattga tgaacacaag tagaatctgg gctttgcttc tgngaatagg        480
ctgccataaa catgagaagg ccgatatcaa aaaccccatt aa                          522


<210> 585
<211> 332
<212> DNA
<213> homo sapiens


<400> 585
gagtttcaag caccgacttt ctggaactgt aaagtaagcc aattttgacg catagtaggg         60
gcttcgtaaa tgtttctgca atgctgtttg cgaatcttga acttattctg gcggtagagg        120
gagagtggga tgggcgcagg gtccctttta aagaagggtc aaaagagaga ggaaatggga        180
ctcggcgaac ttccgcttta aataatcgct cttaattagg tctcgggctt ttcagtttcg        240
gcgtgattat aacccttcag ggatcgccta ataacaactc tgctgactgc tcctgtaatt        300
aactcctaat ttatttcaaa caggaaaaaa aa                                      332


<210> 586
<211> 465
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G
```

<400> 586

```
cactcagtgt cttgtatgcc anagtnatgn catgctcctg ccggcatcaa cctgaggagc      60
tctccctggc ctcctctgcc agctgttatn tgcctgcatc aaacctnacn gttcctcatg     120
tcatctgctc tgnggatgag ggccancttc ncagaactcc ggaaatcacc agcaggtggn     180
agttngnttt ggaaaccaca ttnaacacaa agtcttgcct ccctcnctgg atgtcttggc     240
aacacatctg ggacttgacn caaagcnaat taaanggcca gnggtcttgg atatatttta     300
gnagacacnt atnaagtant ttgnacattc ccttgaaatg gagctantga accctttgtn     360
atnnaatttt nctnntgacg ctnttattta atnggntncc cctangtgtt ggtgnttttn     420
aaaaatcaga agaagcccac ttncgnggna atccaatata atagt                     465
```

<210> 587
<211> 116
<212> DNA
<213> homo sapiens

<400> 587

```
gcaggggcat ccagtggttc aaggttacaa taagctgtga tcgtgccact gcattctacc      60
tgggatgaca gagtgggacc ctgtgccaca gagtgagacc ctgtctcaaa aaaaaa         116
```

<210> 588
<211> 103
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(103)
<223> n = A,T,C or G

<400> 588

```
tgggtaattc cagaattgat tggcctacca ttggcactgg attacnggtn atgncattgn      60
actggntcat nttncttntn aacttacctg gtgccacttg gaa                       103
```

<210> 589
<211> 162
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(162)
<223> n = A,T,C or G

<400> 589

```
gtaaaaacta agccaaaatg gtncanggac ncacacccgg gatgtcattc ntttgtaatt      60
ttgggattna ngaacttcat ttntggtggt nggcaaaaca actggctttt ggcatgattt     120
tatgatttcc cttggattat gcaaagnaaa aaatgaaacc cc                        162
```

<210> 590
<211> 524
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(524)
<223> n = A,T,C or G

<400> 590

```
ggcctcactc tatcacctag gcaggagttc aagtgatgtg atcaccacgg ctccctgtag      60
cctcgacctc ccaggctcaa gtgatcctcc cacctcagcc tcccaagaag ctgggaccac     120
agcctggtga gaggtccatg tggtgaggct gtaagccctg caacacgcgc atgagtgaat     180
ttgggagtga ttccccaacg tcatccttcg gatgagacca cagccctgcc tgacagctgg     240
```

152

```
atgtagcctc atgaagaact gctgagctgc agccacactt ctgcccccac agcaatgccc      300
ggctcaagaa catatgccag ccgtcaagtt gtgcaaccag caccaatttc tnctgccaag      360
ccaagaacct ncttactttc caccttattt tcnggcactt tncaanaccc ttttttantc      420
cnggggggtt naaancctnt ttgntcctca cgaggctntt ccacgcttat cctggctaaa      480
acattttta tcccctgatg gcctcaccct ccacaggccg ggcc                        524
```

<210> 591
<211> 254
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(254)
<223> n = A,T,C or G

<400> 591
```
gacaacattc ttcccttat ggttccattt aagcntctnc tnaaaactct gnncactttc       60
tggtgancccc tttgcgggtg gggttaagaa tncgtggaaa gtgatctngg gaccacaagc     120
tttttgaag cttggaaata aanccggctg gaagncgcct ttaaccttcg tggngcnttc      180
caaaataaag aaccngccat ggggggnttg gcgantggaa agaataatnc cnctnttcct     240
ccctccttaa aacc                                                        254
```

<210> 592
<211> 525
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(525)
<223> n = A,T,C or G

<400> 592
```
gtggttgtgc tcccccgcat caaggttgct aagctgctgt gatggaatcc tggagctgct       60
gaaggacacc tcatctcttt gtgggaagca tctgcttgag gattaaggga atgcagaaaa      120
aaagtggagt agagagatgg aggaagatga ctttcgagga cattgtgtga gcacctggat      180
ctaactgtgc ctgaagcaaa acacaaaccc tggactctca atgtattggc tctcagttcc      240
aagacccaat aaattccttc ttagcttaaa atgctttgct caaatgtctg ttacttccac      300
caaatgtgtt ttaatacaga aagctcttgg gggctcaaat aacagaaagg gaagctatat      360
gagaagctga gggaagctaa ggagaggaac agaagtgata cagcagggtg tggtggctca      420
cgcctgtaat cccaggtctt tgagaagctg aggtggtgga tcacttgang gcangagttc      480
nagaccacct gctaacatgg tgaaacccca tctctcccaa aaaaa                      525
```

<210> 593
<211> 344
<212> DNA
<213> homo sapiens

<400> 593
```
aagttccagg ggctaaacgt gaatcttgag tcagacagac caagcttgga gacccagctg       60
caaaattcca gagataactt caaggtggct agtcaacaac ccagccatcg ttgagacgat      120
gccagcctgc tttccacctg gactgggacc caagacagct accagaacaa gaaatacaga      180
cactgtactc agcataattt ttacatgcct tccataccat gttttctctt tttaaaacct      240
tgccttgccc ctaaaattca aagtagttgc gttggatggg aatctggcca ctttcctatt      300
attacttttg gctaataaag taactttctt tttaccaaaa aaaa                       344
```

<210> 594
<211> 293
<212> DNA
<213> homo sapiens

<220>
```

153

<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 594
tattgcatct gcggacatgg atttcaantc acacctgcag tncnagcact ttggggaggc      60
caaggtggng cgggatcaca agggtccccg gagagaacaa aaacagagag gtaactatgg     120
tcaagctatc tggctggaat cttggggaca caattattcc tctcctgnnn tngaacaaca     180
acttnaggGn ccccnnccTT naaacnncag gactTcttgn nctctnctcc anccctTtct     240
gggtttcntc aggcctttgg cctttgaact gagacantga atcttttcca agg            293


<210> 595
<211> 567
<212> DNA
<213> homo sapiens

<400> 595
gcccaagacc acatcgctgt gcaggaagtg gccgagccgg gggcatgaaa ccagctgctg      60
caccctggga gtagcagtga tctccccact ccacattcaa cccaccagcg aggcctatcc     120
tgtctacctc caaaagccac ccccagtcca ggccgcagcc ccagcccaga ccccccttctc    180
ctgagccatt gccatgaatc acctgggcga cgcctggagt ttcccgacag gtcccctgct     240
ttcactcctg acagccacca gagaggtctt taaaacacat atactggccg ggcgcagtgg     300
ctcacgccca tcatcccagc actttgggag gcctgacagc agaagcattg ccatcccgga     360
caagcccctc attctaaaag ttcaccttaa taaaagaccg ctaaatccaa agggtatcaa     420
gcctaacagc taagatcaag catgaccata aaccacaaat agcatctcca gccagaaaca     480
tcgcaaactc ctccccaacc agagacatgc cagccccgag ataacccccc ttcgggccgg     540
gaagatgtct ggcccaagat aaccttc                                        567


<210> 596
<211> 325
<212> DNA
<213> homo sapiens

<400> 596
gggcatcagc catgaatggc aggtcacagg atcctcattc cagaggtgcc cgccccatat      60
ccagaggaaa gaaacatctt taactctgaa gacacaggga tacagaagaa tctgaacaaa     120
cagccttgct aaattctccc cagtttattc ccattagatc acacccactt tatccaatta     180
tatttctcca tgactgtcca gtcttcctca aacttaagca taaaaatata caaagtttac     240
ctatttcttt aggtcttcaa tttctcataa gtctcctgtg tcatgtaaaa cttatattaa     300
atagatttgt atgcttaaaa aaaaa                                          325


<210> 597
<211> 555
<212> DNA
<213> homo sapiens

<400> 597
aattctgccc caacattatc tggggagccc ccccagatgc tccagggaga ctgtgaagac      60
cctcaggctc cccgacgcct cgtgtgctcc ttctgtcagg gtgtttgaac cagagcaacg     120
ccatcttgaa taggggctgg gtaaagtaag gctgagacct actgggctgc attcccagac     180
gattaaggta ttctgagtca caggatgaca caggaggtcg gcacaagata caggccataa     240
agaccttgct gataaaacag gttgcagtaa agaagccggt caaaacccac caaaaccaag     300
atggcgacga gagtgacctc tggtcgtccc cactgctacg ctcccaccag caccatgaca     360
ggttacagat gccatgacaa tgacagaaag ttaccctcta ggatttaaaa gggggaggca     420
tgaataactc caccccttgt ttggcatatc atcaagtaat agctataaaa atgggcaacc     480
aggctgggtg cggtggctca cgcctgtaat cccagcactt tgggaggtca aaagcaagcg     540
gatcaactga ggtca                                                     555


<210> 598
<211> 172
<212> DNA
<213> homo sapiens

```
<220>
<221> misc_feature
<222> (1)...(172)
<223> n = A,T,C or G

<400> 598
cttctttaaa aagtgnacgc aacggggtan gntaaccttg tncnancgat nggntntcct       60
ngcaaacatc gattnnaaac accangatng cnnnacattt gggattgtaa cccaaacata      120
atccaagcgg gatgagccca cgactttaac caccaattgc gctggacttg gc              172


<210> 599
<211> 257
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(257)
<223> n = A,T,C or G

<400> 599
gaaaaagaga gaagcaacca atattccaaa tgttctttca gnggtgttac tatatccaca       60
atgttgggca accatcacca ccatttccaa aatttttttgt cacccagtgc agaaactgtg     120
taaccattaa gcaataactc tccattcctc ccttccccag cctctgcata aagtcttcaa      180
ggttcatcaa tgttgcagca tgtatcanaa ctttgttcct tttatgacgg aataatattc      240
cattgtaagc aaaaaaa                                                     257


<210> 600
<211> 181
<212> DNA
<213> homo sapiens


<400> 600
ctgacgtgat tgttccctgc gactcaagtg ggaattctct gaatgctgat gaaggaaaaa       60
cgaaaggact gaggactcct gggggaaaga gacttaagtc cataccacat aaaagacatt      120
gtttaaaagg gggtgaaggt aaaaatataa ccaagaattt ggttttttcc ttaaaaaaaa      180
a                                                                      181


<210> 601
<211> 351
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(351)
<223> n = A,T,C or G

<400> 601
ggacatacat gagtgcctaa agatgattct ttggncagca tgtgatnaaa agaatgaaga       60
cactggggaa gtggggagcn gaagcggatg tgggcccaag aggaaaaacg ctcccggtgg      120
gtgggttggc tgcccactac ctnattncca tcaatggaca atggntggga naaaaagcct      180
ccgtgactgt atcacggaac antctccact ccaggttatg gatncactgt tgggcagttc      240
tacactgntn acatccggat gccnattctg ccancnaatn catntgaatc tatctctctc      300
tccggctgan taactctang ggtcnccnca tgtctaacat gtggttgtgt g              351


<210> 602
<211> 596
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
```

<222> (1)...(596)
<223> n = A,T,C or G

<400> 602
```
aggaaaaact gatgccacac tcagagcagg actgaggctt ctcacctgta tgcgtgtgcc    60
tatgaatggc caagggagcc tntttggtgc acgcaccaca cacagtcaaa gcaccagtag   120
ggcttctctc ctgcatggat aagctggtgc tggagcaagt ttcccagtca gcaagggggag  180
tgccacactg taggcagtgg tggcagtgct cacccaagtg catgtgcctg gtggtggcca   240
caagggaggg gaatgcaaac tggcacccac atctgtgcgc acatccgcat atgtgcgtgg   300
acagcgccct cctcaggtgn aagaggtggc tgcagtcgga gcccttgcag agctcgtccc   360
ctgtgtgggg gcagctggtg ctggaccacg ctccaaatgt tcctatagat aactacaagg   420
aacaactgca cctggtgtgt gactgtcctc aacattcctt ctggnggcaa acgcaattgt   480
caacttgcca acatccttgc atttatgaaa acaagntggt tggttgctca tatanccccc   540
agtggtatac tgagtggcac canccantt ttttggcctc caaatctccc ctttt         596
```

<210> 603
<211> 342
<212> DNA
<213> homo sapiens

<400> 603
```
gatagcatca ttgactggac ttgcttcatt actatggctt tgcagaatgg atcaacctca    60
ggtagcccta ttacaaaaga ccccacactt gatggatcag ctgtcactac acagagcgat   120
aaactggctc atctggtctt gtggtcctca cgcaggaact gactcagctc aagagaaaag   180
cttcaactcc ctatgatttc atctttgacc cgaccaacca gagctcctga ctcacccacc   240
cactacccac caaattatcc ttaagaactc tgatccctga atgctcggga aattcatttg   300
agtaaaaata aaactccagt ctcctgtaca gccaaaaaaa aa                       342
```

<210> 604
<211> 531
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(531)
<223> n = A,T,C or G

<400> 604
```
tgcccatctc agagagtaga aagcaaagaa attgaaagac atggaaagaa ctaggccggg    60
accagcactg ggccttaata accagttcac tgagatgatg gagtttcgct cttgttgccc   120
aggctggagt gcaacggctc acctcaacct ccacctccca anttcaagca attctcctgc   180
ctcagcctcc catagctggg attacaggca tgctccacca cgcccagcta attttttttt   240
tgnaatttta gaanagacgg gatttctcca tgttggtcag gctggtctca ggtgatccac   300
ccaccttggc ctcccaaagg gctgggatta caggngngag ctaccatgtc cgacatgcta   360
tttttttttat aatgagngag ttctcacgat attcgatagt tttataaggg gctttccccc   420
cttttgntna ncacttttct tgntgccacc atgtatttgc ttncccttcc ccacaatttg   480
gaagttnctg gggcccccca ntttgnggna ctgggagtaa ataaacccctt t           531
```

<210> 605
<211> 328
<212> DNA
<213> homo sapiens

<400> 605
```
acctgtaact tcagcctgga gttgagcaag aaacatggct tccttgtctt caagtcattc    60
ttgggcttca gagcgaagat gctggacctt tgaaccaaca agcaggttac tggtaccttt   120
gccctgagaa tacgctggtg gtgcttgtgg ctgcagtgtt taccccgaga taactttgcc   180
atgaagtatc ttccttttat tatttttttca tcgctctagt atatcgactt tggaaacaaa   240
agacatcact ctatttagag cattccttttc ttagtagtgg tatttccatt gacaaaaaaa   300
tagtaattct gaattgccga aaaaaaaa                                       328
```

<210> 606
```

<211> 342
<212> DNA
<213> homo sapiens

<400> 606
gatagcatca ttgactggac ttgcttcatt actatggctt tgcagaatgg atcaacctca   60
ggtagcccta ttacaaaaga ccccacactt gatggatcag ctgtcactgc acagagcgat   120
aaactggctc atctggtctt gtggtcctca cgcaggaact gactcagctc aagagaaaag   180
cttcaactcc ctatgatttc atctttgacc cgaccaacca gagctcctga ctcacccacc   240
cactacccac caaattatcc ttaagaactc tgatccctga atgctcggga aattcatttg   300
agtaaaaata aaactccagt ctcctgtaca gccaaaaaaa aa   342

<210> 607
<211> 322
<212> DNA
<213> homo sapiens

<400> 607
agggcggagc caggtgtacg ggatggaaca tgagagcgga ccaggagcgt gaccgctgca   60
ctgacgcttc cgctagacca cagtctgctc ggcgacgggt gtcttcccag atgctggcat   120
caccgctaga ccaaggagcc ctctggtggc cctgtccggg catgacagaa ggctcacgca   180
cttgccttgt agtcacttgt cactcaccat gtcccttcag ctcctatctc tgtatggcct   240
ggtttttcct acgttatgat tgtagagcga ggattattat aatattggaa taaagagtaa   300
ttgctacaaa ctgaaaaaaa aa   322

<210> 608
<211> 435
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 608
gcgctaatta agcacgttgc gaacgcaagg agtgctcacc ctggcgccgc cgcccggttt   60
ccagcgcgag gactcgaggg cgcgcggttc ctctttgcta actgcaggat ggagccgatc   120
ccctcaggat gtttcccctg ttctcgacaa cgaccgtgca gagcgcacca gcgcgagcgg   180
ggcttcctcg agtctccaag gcccgggctt caacttcccg ggtctagacg tcagccctga   240
accgccaaca gcaccggatt ggggagaagg aaagaagggc attggtagtt cggnngtngn   300
nggtgtngtn acgccganga nctnnnggnt gggggaagtt ggccctggt tgaacgtgtg   360
tattgnntna ccttacaanc ccaatttaat tnggaaaat aaagataaat cgatctttat   420
gaatttaaaa aaaaa   435

<210> 609
<211> 206
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(206)
<223> n = A,T,C or G

<400> 609
aagacagatt gaactccctg ngatttcatc tctngctaat cagcactgnt ggntcactgg   60
nnttccccac ccaccaagtn atccttaaaa actctgntnt ggaatgcnca gggagaanga   120
nntgantaac aataaaactn ccatctgcct cagcaaaaac caanccttgt ccccagatgc   180
ccaaggctcc cttgttgccc ctaatg   206

<210> 610
<211> 289

<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(289)
<223> n = A,T,C or G

<400> 610
tgctggcttg aaacttacaa ccctggaccg tgatgntggt tgctgcacan aataactgct   60
tctacncngn gntactgtga ctgattaggg ggaaagcttg aacttgacng tcncaaanac   120
tnttggcctg aacncntttn aganaaggaa cnggttaacc cccccaacn gaattattta   180
aaaccagtcc atgatttgga atcgtggncc aatactttct gggccccaga nagagaaaaa   240
agggtgggcc ccccctactc naaggggcca ctcattttct tccaaaaaa   289

<210> 611
<211> 456
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(456)
<223> n = A,T,C or G

<400> 611
gtggggtctt tcaagcctaa gcctacgcag tgtcagcaag atcaatctca ctgtcatccc   60
ctccacatct tgtcccactg gaaggttcag gcaataacac acgtgcagct gtcctctcct   120
atggtaacag tgccttcttc tggaattcct cctgagggac ctgcccaagg ttgtttttca   180
ggtgtcagcc ggattggatt gaaggatgcc tagatagctg gtaaagtgtt gtttctggct   240
gtgtctgtga cggtgttgcc agaggagact gacatttgac tcagtggact gggcgaagaa   300
gacccatcct cggtgtgggt gggcaccatc caatggctgc cagagcgaag tanaacaaaa   360
cagcttagaa naaggggggg taagctgctt gctgtgttcg gctttcattt ttctcccgtg   420
ctggatgctt ccttcgttcc tcctgccctt ggacat   456

<210> 612
<211> 155
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(155)
<223> n = A,T,C or G

<400> 612
cctgatggag agaagaaggc atatgttcna ctggctnttt nttaccatgc tttgganggg   60
gccaanggaa nncctatcga gcaagctgaa gcccaggtta agtaccaanc tnnaataggc   120
naattttttt gnttttcc cgggaaaaaa aacta   155

<210> 613
<211> 260
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(260)
<223> n = A,T,C or G

<400> 613
tgagcacaaa ctccacaaag aagtanttcc acccggngac ttccccactg gcactaatat   60
ggtgtcctcc ctctaaggag cccgagacac ttccgccctt ctcagaagtg acttccgtcc   120

158

```
agctcggcat ggcggcagtc actgccgtca cttagtcgcc gatcaaggct tggactaagg      180
gcccacggtc actcgagtag gacttggatc ggatgctgaa taaaactcac cgtgaagcaa      240
gtcccactga aaaaaaaaaa                                                  260


<210> 614
<211> 558
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(558)
<223> n = A,T,C or G

<400> 614
gagcaggaga atctgggaaa agtnctattg ntaaacaaat gaagatcatc cataggggaat     60
ggttacagtg agcaagaatg catggagttc aaagcagtaa tttacagtaa tacattgcaa      120
tccatcctan ctattgggaa agccatgact ncccttggaa ttgattatgt naatcccaga      180
agtgcanagg accaacgacn actttatgcn atggcannta ccctgganga nggtggcatg      240
acacctcaac tggntgaggt aataaaacgg ntgtggagag atccangaat tcaggcctgc      300
tttgaaaggg catntgaata tcanctcaat gactcagcag cttactacct taatgattta      360
gatagaataa cagcgtctgg gtatgtgcca aatgaacaag atgttctcca ttctcgagtg      420
aaaacgactg gaatcattga aactcaattc ttctttaaag acttgcactt caggatgntt      480
gatgtnggng dacagagatc tgaaagaaag aagtggattc ctgctttgaa ggaattacat      540
gcattatatt ttgggctc                                                   558


<210> 615
<211> 463
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

<400> 615
ggagtccct a aacctgtgaa ttacagcana gagtatggac acaccanagg tttactgctg      60
tggaacagag ttcaagggtt ctggctgatt cattccatcc ctcantttcc tccaattccg      120
gaagaaggct atgattatcc acccacaggg agacgaaatg gacaaagtgg catctgcata      180
actttcaagt acaaccagta tgaggcaata gattctcagc tcttggtctg caaccccaac      240
gtctatagct gctccatccc agccacctt t caccaggagc tcattcacat gccccagctg      300
tgcaccaggg ccagctcatc aagagattcc tggcaggctt ctcaacacac tttnagtcgg      360
gccaaggaca aaaaattcct ncattttgca aagtcngatt cttttnttga cgacatcttt      420
gcagcctgga tggctcaacg gctggaagac cccttgttac aat                       463


<210> 616
<211> 271
<212> DNA
<213> homo sapiens

<400> 616
ggtggacatc cagcccaaac ctgaaggcca gagacccagg ggagccaatg gcgacaatct      60
ccatctgagc cagagggcct aacaataggg agtaccagtg tctgaggaca ggaggagatg      120
gatgtcctgg ctccagcgga gatctgtgag atctaaaaag gaaaacacct gtgttctggt      180
agaaccagaa gccatctcca taactgagcc atcgtctgac tagtgtgaca aggaggactt      240
gaggtggact tgtatattta actgggtcca a                                     271


<210> 617
<211> 275
<212> DNA
<213> homo sapiens
```

159

<220>
<221> misc_feature
<222> (1)...(275)
<223> n = A,T,C or G

<400> 617
catggttccc ccaggaggaa tacacagatg ctttctcttc tgagctctgg ccngnncnac   60
agnagcctnn annttgatac ccaccnnaaa acaacctggt caacaggaaa cttcctgcaa   120
aatatcgcag acttggctng aagtacaagt attgtgagca ngaactgnga acactttgtc   180
accgattttt gnttctttan ctgcttgntc ggccctggtg cctgagctgn cttgcaaaaa   240
cccactggct atggaagcct acacactggc tttct   275

<210> 618
<211> 171
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(171)
<223> n = A,T,C or G

<400> 618
tatactccac ctatcatatc ntgnatccca acnttgttgg cgagtgacca ttacaangnn   60
ncccntgggg tacacaagat tntgtgaaga ctacaaancc ctccaggata tattgccatc   120
ctgggtgtgg atnaactttc tagaggaang acangttaga ccggcccgca c   171

<210> 619
<211> 343
<212> DNA
<213> homo sapiens

<400> 619
acagtgtcca ttagttttct ctaaaaccaa tgggaaatta gcatcctttc acttcctgcc   60
ctgtaactcc ggccagagct tcctctgaaa gatttccatg aacaacagaa atgctcaccc   120
cagcctttc gaaaacacac ccatcttgaa gtacacagtg atgccgccac ctcctgtgca   180
tagaaatgta aaaaggaga gaatgtaaga gtatgtgcaa aactgaaagc acacttgcat   240
gaagatggtt attttcccgt ttcccaaatc ttttatatca gtgattatat ttatgtcaat   300
caattagata actagcttag ctttatgaca tatgctatta ata   343

<210> 620
<211> 175
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(175)
<223> n = A,T,C or G

<400> 620
cctgcggcct aaaaaaacac angccatgcg ccatcctctt ntcaacctcg aggnnaaccn   60
tggagaccag gaggcatcac cggcaaggag ccggctgtcc cccttgggga ggttcgcngg   120
gcaaggcctg aagggggcgca ttgtcaataa agcacaggtg gcttgagaaa aaaaa   175

<210> 621
<211> 172
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(172)

<223> n = A,T,C or G

<400> 621
acaggaggaa actatggctg atctggtcat tttactggca aaaatttnng caaatgnggg   60
ggtgtccctt ntnccctta caggtggncc aantggtnta tacatttcac ctaacatatg   120
gnaaatgttc ctactgttgg cctttcctga cctntgtcca ttcaactaag gc   172

<210> 622
<211> 421
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(421)
<223> n = A,T,C or G

<400> 622
ttgggagtat gagcantgat acatcctggg aaaagaacta acganntctt ngttctcgat   60
tcacgaattg anggactnna cnnntancnt tgccgangcc cctacnnttg acgtngggtt   120
ttgtcatctt ctggcngacc gtgcgaagtn tgctgcccca caanaccaag cganatctct   180
gtgaccangg taaatggnag gngtttgacc ggcatcccac ncgcctacga caanaaaaaa   240
ccgatggtgg gtcctncccc ctcactgtca agngntggaa gncgtcaagn aaaattttcn   300
aaaagnatgc cggcncgttg tacattgntt tgttactgaa aatattctaa gngctgacaa   360
tcttgggngg ctgtattcca aaaactttga cccgtacnta anaagagcat aattaaaaaa   420
a   421

<210> 623
<211> 571
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(571)
<223> n = A,T,C or G

<400> 623
caaactacag ggctcctttg atgtcacgtg tcaagggcat cagcatttcg gtcaacctcc   60
tgttgggcag cgagtcctcc gggaggccca cagttactgc ctccagctgc agcagtgaca   120
tcgctgacgt ggaggtggac atgtcgggag acttggggtg gctgttgaac ctcttccaca   180
accagattga gtccaagttc cagaaagtac tggagagcag gatttgcgaa atgatccaga   240
aatcggtgtc ctccgatcta cagccttatc tccaaactct gccagttaca acagagattg   300
acagtttcgc cgacattgat tatagcttag tggaagcccc tcgggcaaca gcccagatgc   360
tggaggtgat gtttaagggt gaaatctttc atcgtaacca ccgttctcca gttaccctcc   420
ttgcttgcag tcatgagcct tctgaggaac acaacaaaat ggctactttg ccatctcgga   480
ttatgtcttc aacacngcca gcctggttta tcatgaagaa agatatctga acttcttcca   540
tcacaaatga catgataccc gcctgactct t   571

<210> 624
<211> 126
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(126)
<223> n = A,T,C or G

<400> 624
ctcccaacct tttggagcaa ggttcagccc tgggttaagg tccaagcttg aattggccaa   60
attcttttgc tttttaccct ggaagnaaat actcataagc caccttttgt tattttaccc   120
ccaaat   126

161

<210> 625
<211> 363
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(363)
<223> n = A,T,C or G

<400> 625
```
tacccgggtc tggactgact ctcacttgct gatggatggg accaggaacg gtgatgctaa      60
ctcggaacca cgatgctgct ataaactcct ctacaataat gtggccttgt gagaaaaaac     120
ctcagatgtg acngtnccaa natggtagnc tactcacaga tggagatgca acattcacnn     180
gangangatn cnatnttact tgacctgngc tattgannac cccaantctc ncanaanctc     240
anccgncaca atcccnttaa taaccctggg cccagaaccc ctcangcaga ccnatgtgng     300
gcttgnggga tncctttntc agtttgggca atggcattgg ggattattaa actctttttt     360
ttg                                                                   363
```

<210> 626
<211> 241
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(241)
<223> n = A,T,C or G

<400> 626
```
gctgccactt ttgctagaga gcaaggntat ngagaaagtg aagncacttg cttcttgctg      60
ccttggatca ngaccataaa gaaatnattt gataccaacg gagctggaga tgnatttngg     120
ngnagggttn ctgncttaac tggtctctga caancctctt gactagaatg aatccgtgct     180
ggcccnctat gcaggaaagc ntgctnncct tatggcnacg ccttgccttg ttatctgggg     240
c                                                                     241
```

<210> 627
<211> 222
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(222)
<223> n = A,T,C or G

<400> 627
```
atccaggaag gatccagaac ggcgactggt cctttntngg nggacccata natanttncc      60
ttggcacggn gctggggaac ctgatcatca tnctggacgt ccagccctga ctcccacctc     120
cccaccccca tgtacttctt cctntncaac ctgtccttga ntgncatgtg ggggcctgac     180
atcncanntg natgtntcag cttgtncata ccctgactta aa                        222
```

<210> 628
<211> 496
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(496)
<223> n = A,T,C or G

<400> 628

```
gcgtgaaaga cgctgaacaa atccctgtca gctgcacagg tgtctttgtn ananatangc      60
agaacccttt tgagcangtt cagcctggtt aagnccaagc tgaatnnttt ngtttttnac     120
cttggangaa atncttatta ggccccnttt gtatttntcc cccaaagttt aannaaaaaa     180
cgggnggaaa ctgaaagcag gtgtccagca cttctgcatg ccannctgnt tcttnnanga     240
aaaagctggg aagntcattc cttagcttnt acaanttgtg ggggtccccc aaatnctttg     300
ggaggnctgn tnananantc tttttgaggg ggaaggtttt ttaaaaaaaa tgggggaatt     360
gcccccaaan ccnacaattg cnnganccaa gggnggattg gaaaatttgg gcaccaggaa     420
acancccaaa ngggattggg aggcctngaa aanattcatt gcccttgggg cttggctntc     480
ccccacaaat tccccc                                                     496
```

<210> 629
<211> 152
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(152)
<223> n = A,T,C or G

<400> 629
```
cccttttgag caagttcagc ctggttaagn ccaaagctga aattcgcggc cgctagggcc      60
acgcggccgn ngaaattctt tttgcttttt acccttggga agaaatactt cataaagccc     120
accctcttgt tattttacc ccccaaattc tt                                    152
```

<210> 630
<211> 394
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(394)
<223> n = A,T,C or G

<400> 630
```
tcaatagaag cctccactaa ttgtcctccc cactggaaca ccanattgaa caactatcca      60
cacaaagaag caccttcgta agaaccaaaa atcaggtgcc agacagaaag tcatctctct     120
gctcaactga gacaaatgca gattcattga gccagactaa ggcataagtg actattcctc     180
tatgttcccc aacatgtaaa ttgtggattc agtgaaaggc tgattgaaga gtcagaagaa     240
tgtaactttt tgtctcttat ctacctggaa ccacacctta tctacctgga actgtccctc     300
cccgcccccc caatcctgcc ctgttttgag ttgtcctgcc tttctggacc aaatcaatgc     360
acatcttaca catattggat ggaggctcaa atct                                 394
```

<210> 631
<211> 107
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(107)
<223> n = A,T,C or G

<400> 631
```
ttcagcctgg gttaagttcc aagctgaatc ttttgcgttt taccctggaa gaaatactca      60
taaagccacc tctgttatnt taccccann tcttcacaag gaaaaac                    107
```

<210> 632
<211> 132
<212> DNA
<213> homo sapiens

```
<220>
<221> misc_feature
<222> (1)...(132)
<223> n = A,T,C or G

<400> 632
caccctttttg gagcaaagtt caagcctggt taagtccaag cttgaattct tttgcntttt      60
accctggaaa gaaatactca taagccacct cttgnttatt ttaccccccan tcttcacaag    120
gaaaaactgt tt                                                         132


<210> 633
<211> 196
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(196)
<223> n = A,T,C or G

<400> 633
ccttttgagc aagttcagcc tggttaagtc caagctgaat tctgcgggcg ctnggccacg      60
ctggcctaag cgggccgnna anntnttttt ggtttttttta cccntgggaa aaaaatnnct    120
tnnnaaaccc cncttttgtnt ttttttcacc cncctcnttt ntcaagnaaa aaactgctgg    180
ngcctttttat tattat                                                    196


<210> 634
<211> 189
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(189)
<223> n = A,T,C or G

<400> 634
gcccaagctg aaactganat agantgggcc cttttgagca agntcagcct ggttaagtcc      60
aagctgaatt ccgngggcgc tnggccantc tggnctatcg gccgngaatn ntttnngttt    120
ttnccccnggg gggaaatact ttataagccn cccttttgttt tttnacccccc nttttttcac  180
aaaaaaaat                                                             189


<210> 635
<211> 359
<212> DNA
<213> homo sapiens

<400> 635
actcatcatg caatcagaag gttgaggaga gatgccatgc tgatctgaac tgcagcaggc      60
ttcactctga gcacgtccct gtggatgagg tcaccttaga tgcctgctcg agcaatcatc    120
ctccaacctg tgactgaagc aggaactcaa ctggatgtct ctcacccact attcacatct    180
tcaatgacta acaggccatt aactgcacaa ctacagtgtc aaacatttat tttactaagt    240
ctcctgtagt gtaaccatta actacctgca ttttgacttt tcaaaagagc ttcattagct    300
gctggaatct ttctgagacc tgaaaattta aaaatgaatg ttaattacca ataaaaaaa     359


<210> 636
<211> 207
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(207)
```

164

<223> n = A,T,C or G

<400> 636
tggtagactt gggactacct gcttaatcag actgagagag ctcacagcat cctgtntcct   60
ccagagnctc taggccacgt ggnctagcag nganagantt gnngactggg acttatccac   120
nactgnactt gctgaagcnn tgnctgcttn gacctttttga gcaagttcag cctgggtaag   180
tccaagctna attcgcggcc gttaggc   207

<210> 637
<211> 189
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(189)
<223> n = A,T,C or G

<400> 637
gtggtaaagc aggcttgagg atctcgctca aggncacgtg atgattaagt ttcaggacaa   60
gactctaatc tcatgncttc ccnttcgagc aagagnnatc cnggttaagt ccaagcggnc   120
gagaantctt ttgnttttta ccctggaaga aatactcata agccacctcg ngctatttac   180
ccccaaaag   189

<210> 638
<211> 178
<212> DNA
<213> homo sapiens

<400> 638
ctggtcttga actcctggac tcaagtgatc ctcccacctc ggcctcccaa agtgctggaa   60
ttacagatgt gagccactgc aaccctcttc tggtgagaga acacaaagtt tggtgtcctt   120
cttagaacaa gggagggaaa tccgctggaa ataaaatgag tcaatatctc actacctc   178

<210> 639
<211> 301
<212> DNA
<213> homo sapiens

<400> 639
gctggagtgc agtgcattgc agcaggctcc cccaggctca agcagtcctc ccacctcagc   60
ctcttgagta cctgggacca caggtgctca ccaacacacc tagcttgttt ttaattttt   120
ataaagacaa ggtcttgtta cgttgcccag gttggtcttg aattcctggc ctcaagcaat   180
cctcccacct cagggctccc aaagtgatgg ggttacaggt gtgatccact tcacctagcc   240
agattgtaag atttttaatg tactttaata aacctttcat tttcccagag cacaaaaaaa   300
a   301

<210> 640
<211> 321
<212> DNA
<213> homo sapiens

<400> 640
accaagaaat tctcgagttc tcttcagaga ccaactgggg atcaacaatt caatttaatt   60
ctgacaccca agagtgaagc agaggaagat ttgatacaca cagaagagga gagagcaatg   120
tgaagatggt ggcagagatg ggactgatga agccaccaga agctggaaga cataaggatc   180
cgattctccc ctggagcatc tggaagaaca aggtcctgtc aacattgtgc ttttagtcat   240
tgaaatgaat attgaacaga atcctgtccc ctagcactag taagaagaat aaaagttatg   300
ttgtttttaag ccaaaaaaaa a   321

<210> 641
<211> 326
<212> DNA

165

<213> homo sapiens

<400> 641
aactgagagg gaagatggga cagaatggac aagagcctgt aaaacagcca ggggtaggaa   60
gtaggactag cagacactga agctaaaact caggtaatgg gagaaatcaa gattgcattg   120
aagaaggaaa tgaagacaga tggtgaacaa ctaatagttg aaattctcca atgcagaaat   180
attacataca aatttaagtc tcctgatcat ctaccagatt tatatgtgaa aatatatgtg   240
atgaatattt ctacccaaaa aaggtgatca agaaaaacaa gagtatgcag acatgatcga   300
gagccttcgt ttaatgaaac tttgcc   326

<210> 642
<211> 312
<212> DNA
<213> homo sapiens

<400> 642
gatcgaggcc atcaagctac agatggtctt acaaatggaa ccccaaatga gctcaactaa   60
cttctactga ggacccctgg accaaactgc tggccctttg actggcctaa agagttcccc   120
tctagaggac actacaactg cagggaccct tctttgcccc tatccagcag gaagtagcta   180
gaatggtcat caccaattcc cagtagcagt tggggtgttc cgtttagagg gtgggttgag   240
aggtgaagcc agctggattt cctggataag tggggacttg gagaactttt ctgtctagct   300
aaaggactgt aa   312

<210> 643
<211> 189
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(189)
<223> n = A,T,C or G

<400> 643
cggtatcgat cttcaatcaa cagtactatc gatttgcttt gaacgggatc aattncgccc   60
ccccctaac gttactggcc gaagccggtt ggaataaggc cggtgggaaa tttnantatn   120
tgntntnggn caccctaact ccnccttntg ctgnaaagtt gggagggnta nanggccctc   180
tttttaag   189

<210> 644
<211> 456
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(456)
<223> n = A,T,C or G

<400> 644
ccccatctgc tttgatatga ttgaanaagc atacatgaca aaatgtggcc acagcttttg   60
ctacaagtgt attcatcatg agtttggagg acaataatag natgtcccaa gtgtaactat   120
gttgtggaca atattgacca tctgtatcct aatttcttgg tgaatgaact cattcttaaa   180
canaagcaaa gatttgagga aaagaggttc aaattggacc actcagtgag tagcaccaat   240
ggccacaggt ggcanatatt tcaagattgg ttgggaactg accaacataa ccttgatttg   300
gccaatgtcn atcttatgtt ggagntacta gtgcacaaca aaaacaact ggtagcnaaa   360
ttacattccc gcccaactnc aaatcttatg gaattcctca aggttgcaag aagaaataag   420
aaagagtgaa gctggggnct accaatctaa accact   456

<210> 645
<211> 571
<212> DNA
<213> homo sapiens

166

<220>
<221> misc_feature
<222> (1)...(571)
<223> n = A,T,C or G

<400> 645
gaacatatcc tggaggctta gtgaaaccag ctctctcttc ccatcaaatg agaagtctct   60
gtgtcttcaa atgaaagcca agaaagcaca ccccagagtc gaatacaaca aaacatcagg   120
caatgccttt gaagagcagt tttctttgcc aaccaaggtt cggggatcgc ctctagcttc   180
ccaggacaac cagccacgga tcctgtgggc aggagggctg ccaaggccca gttggaggct   240
caatttatgg cggcctgggg gaggaagcat gcaggaaagg atccagtccg tgatgaatgt   300
gaggaaagaa accgttttac agaaacaagg gaggaagatg taactgatga gcatggggaa   360
agagaacctt ttgctgaaac agatgaacac acggggcta ataccaagaa gccagaagat   420
ctgnaganga tcttactgca aaaagaaaaa ggatgaaaat ggntaanact tgcagcaaac   480
aaagacaaaa gttnacctgc ttttgagaaa aaaccacttt aaangcagaa ccnggatatn   540
taccttctct gaagtgctaa atgtccttga a   571

<210> 646
<211> 168
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(168)
<223> n = A,T,C or G

<400> 646
tttgagcaag ttcaagcctg gttaagtcca agctgaaatt cngcgngccc gctagagcct   60
angcgggccg cggaattctt ttgctgtttt taccctgggg gaaagnaaaa tactcataan   120
ccacctnttg tttatttacc cccanatctt nacaaaagga aaaaactg   168

<210> 647
<211> 140
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(140)
<223> n = A,T,C or G

<400> 647
ccttcgccat gtaaacattg ntcatcttca cgtgggctgn cctnntgcgc atgctatggc   60
tgattngtta cccgngcnct cgtggactnt canggaagan atactcataa gcnccctctg   120
ttatttaccc ccaatcttta   140

<210> 648
<211> 301
<212> DNA
<213> homo sapiens

<400> 648
gctggagtgc agtgcattgc agcaggctcc cccaggctca agcagtcctc ccacctcagc   60
ctcttgagta cctgggacca caggtgctca ccaacacacc tagcttgttt ttaattttt   120
ataaagacaa ggtcttgtta cgttgcccag gttggtcttg aattcctggc ctcaagcaat   180
cctcccacct cagggctccc aaagtgatgg ggttacaggt gtgatccact tcacctagcc   240
agattgtaag attttaatg tactttaata aacctttcat tttcccagag cacaaaaaaa   300
a   301

<210> 649
<211> 480
<212> DNA

<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(480)
<223> n = A,T,C or G

<400> 649
ggcaatccct acatgtgcaa taatgagtgt gatgcgagta cccctgagct ggcacacccc   60
cctgagctga tgtttgattt tgaaggaaga catccctcca cattttggca gtctgccact   120
tggaaggagt atcccaagcc tctccaggtt aacatcactc tgtcttggag caaaaccatt   180
gagctaacag acaacatagt tattaccttt gaatctgggc gtccagacca aatgatcctg   240
gagaagtctc tcgattatgg acgaacatgg caagccctat cagtattatg ccacagactg   300
cttagatgct tttcacctgg atcctaaatc cgtgaaggat ttatcacagc atacggtctt   360
agaaatcatt tgcacagaag agtactcaac agggtataca acaaatagca aaataatcca   420
ctttgaaatc aaaagacagg ttngcgtttt ttgctggacc tcgcctacgc aatatggcaa   480

<210> 650
<211> 182
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(182)
<223> n = A,T,C or G

<400> 650
acctaaaaga actctttggg cctgaacttt tcccgattaa naattcttgg ggttaaatnc   60
atctgatgaa cngtngaaaa aggggggggtc ccncngaaaa gnggaaaaaa ttttggtcaa   120
ttaactgngg tcanggaaag tccctcaaaa tggggnaagc cgggtcccgc cttttaagat   180
tg   182

<210> 651
<211> 462
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = A,T,C or G

<400> 651
atattcatga tcagaacang taagaagccc gtcatggtct atatccatgg gggatcttac   60
atggagggca ccggcaacat gattgacggc agcattttgg caagctacgg aaacgtcatc   120
gtgatcacca ttaactaccg tctggtaata ctagataatg tttcataaca tggatgtgaa   180
gaattaaatg aacatccttc tgtgcacaaa ttaagattag aacacgaaga ttttgggatt   240
cccctcagtt ccttttataa attgtatttc tttggacctg tcctaaggat aaccactttt   300
gtgaatctga ttcattattt ccttcttta ttaaggttta tttcttgcaa aaatttggca   360
tggacccagc ataaccccaa aagaattatn ttggtccggc ttctngcttt tgaacctttt   420
tataaaatan ggaatcattc ctatgttcct tgctacactt ag   462

<210> 652
<211> 483
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(483)
<223> n = A,T,C or G

<400> 652
```
aactgggggt gcattttttt tgggatggcn tgttcanaat cttggatccc taanttcaan    60
atattggaca tatttaagan ctctggnaat natnctgttt tcacatagcc tagacaactt   120
antatctctc tgctnaattg nnanaaatgc tgnttcattg cgccaaacta aagcntgcgt   180
gactnttcnt ctatgttccc caacatgttn nttntnnatn nngtgaaagg gtgatngnng   240
agggagaann acgtnacttt ttgtctctta tntacctgga accacacctt atctacctgn   300
nactgtgccc ttcccgccnc ccaatnctgg cctgttttgg agttngcctg cctttcttgg   360
anccaaatcc aatgcccatc ttacacatat ggagngntgg cntcatatct ccctàanatg   420
tggtaaaaag ngaagctgta ncctgaccac ctaaattctc aaaatccact ttggggaaag   480
act                                                                 483
```

<210> 653
<211> 106
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(106)
<223> n = A,T,C or G

<400> 653
```
atggaagaca ggactctcca gncngggaac tgccaaancc ggtccancng ccaacanaat    60
gtgagccatn tcnccatanc tatccaagac ctactttcct gttcta                 106
```

<210> 654
<211> 342
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(342)
<223> n = A,T,C or G

<400> 654
```
ggaatatctt tctccaccac tttctcttan atttatgnga gtcctcatgt ntcangccaa    60
ggcggcggga ccngaagtta cctctggagt atgaaaatta ncnacaccat tatgaaaagt   120
caaaagaact ttggaggtca aacangtcct gcatttngaa ggctagtgct accactcacc   180
attaggctat ttaaccccat acttcttaaa gntggataag gggatggatg gnataccngg   240
gagatattga aaaancagag gctgacatag taaatncttc ctacangaat caagggttta   300
atncaattgg gttttggggg aaaatatttt ttatatttca aa                     342
```

<210> 655
<211> 372
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(372)
<223> n = A,T,C or G

<400> 655
```
gcgatcttgg ctcactgnaa cctccgcttc ccaggnttga nagccnanac tcctgcctna    60
gcctcctgag ctaagcccgg ggattacagg cgcccngcca ccaacancca gggattttcc   120
canatgaccc tggccatgca nngggacac anangcacgg tggccaagan ttctnncttc   180
aagccacata anaaangtga atgggcgatt canattcttg ggtgngtgga cttttttccna   240
atgccanggn gggangttat anttggccca ccangcaant caccatttgg gtcttgntan   300
tggcaagctc tggaaagggg cccttggca cattcannaa atggggaaag tgtaccctaa    360
aaaaggggtg gc                                                      372
```

<210> 656

<211> 311
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(311)
<223> n = A,T,C or G

<400> 656
tacttggccg acgcagntag aagactaagg ccaggggcat tctggatgca gcccacaaag   60
ctagctctct gtggcactga gcaagatcat ctcagcctct cctgaactgt gaccaactgg   120
cttactcaag ggacttggat ctgctgtccc gacatgatgg ctagctgcag cacatnatgc   180
angantaaag ttcagcctgc ctcagaccca ggataaaaac acatttggna cagtctcgct   240
caccctcatt gcaganacaa gaantgtntg ggttgncatg gaagagaccc cagagggatg   300
catcacactg t   311

<210> 657
<211> 134
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(134)
<223> n = A,T,C or G

<400> 657
cccctttga gcaaagttca gcctggttaa gtccaagctt aatttcncgg ccgntaggcc   60
agcccggccg cgaattcttt tgnttttac cctggaagaa atactcntta ancccncctt   120
tgtttttac cccc   134

<210> 658
<211> 149
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(149)
<223> n = A,T,C or G

<400> 658
ttttgctttt tagggagntt tatngtaccc cccttttgag caagttcagc ctggttaagt   60
ccaagctgaa ttcgcggccg ctaggccagn ggggnctagc ggngcnaatt cttttgctnt   120
tnaccctgga anaaatactc ataaagccc   149

<210> 659
<211> 617
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(617)
<223> n = A,T,C or G

<400> 659
agacagggtc tcgctctgtt gcgcagactg gtgtgcagtg tcatgatctc agcttactgc   60
agcctccgcc tcctggattc aagctattcg cctgcctcag cctccagcac agctgggatt   120
acaagcactt gccaccattc ccagctaatt ttttgtattt ttggtagcaa cgggggtctc   180
accatgttgg ccaggctggt ctcgaactcc tgacttcagg tgatccgccc gccttggctt   240
cccaaagtgc tgggatgaca ggcgtgagcc accgtgcccg gcctaataat aactctttca   300

```
accaattgcc agtcagaaaa ttttaaaatc taccttatga cctggaagcc cgcctcacca    360
ccagtggagc aagtcccacc ttcaccgatt gaacctgtca aggcctctga gcccgaagct    420
caaccattat cacccctgtg acttgcacat ataccgtcca ngtggcctgc aggaaccaag    480
aagtctggaa gcaagccaag ggaaaancac agagaagtta aaacagccag gttcctggcn    540
taactgggta actaaaaatt accacanttt tactatcgng aggttcttnc ctggcctacc    600
taaccgaatc aatcgaa                                                   617


<210> 660
<211> 474
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(474)
<223> n = A,T,C or G

<400> 660
aggagttttc ttagacacca tccttccccg tcaagatgac aatggcgtca ggccaaccat     60
tggccagcgc gtgcggctca gtcagggaga catagctcaa gcccggaagc tgtacaaatg    120
cccagcgtgt ggggagaccc tgcaggacac aacggaaac  ttttctgcac ctggtttccc    180
aaatgggtac ccatcttact cccactgcgt ctggaggatc tcggtcaccc caggggaaaa    240
gatcgtatta aacttcacat ccatggattt gtttaaaagc cgactgtgct ggtatgatta    300
cgtggaggtc cgggatggtt actggagaaa aacccccctt ttgggcangt tttgtggcga    360
taaaatcccc ggagcccctc gtcttcacng acaagccggc tnttgggtng gagttccgca    420
ancaacaagc aacatcttgg gcaanggcat cttttcagcg tacgaaacta cctg          474


<210> 661
<211> 451
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

<400> 661
acggagtctt gctctctcgc cagtctggag tgcagtggcg caatcttggc tcactgcaac     60
ctctgtctcc cgggttcaag agattctcct gcctcagcct cccaagtagc tgggactaca    120
ggcgcccgtc accacgcccca gctaattttt ttgtattttt agtagaaacg gggtttcagc    180
atgttggcca ggatggtctc gatctcttga cctcgtgatc cacccacctc accctcccaa    240
agtgctggga ttacaggcgt gagccactgc gccccgccgg tctttattt  tttaaacact    300
tactatgcca tgaattcata gggaatatgt tccagcacct caggcttctt ccactgggtc    360
ttacgaaaat gngctttttt tgggcagggc anggcttgnn cntttagttt gaacccaaa    420
ttcccctgng gcncnggcaa aaggaacaac t                                   451


<210> 662
<211> 369
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(369)
<223> n = A,T,C or G

<400> 662
gcgtggactg acacctcntg nacatnttcg ctatcttggg cttctgcctg antggatctc     60
cagacaatgg tgaccatgat aactggggga acctggctgc agcttttttc accctcttca    120
gcttggccac ggntgatggc tggacagacc tgcagaagca gttggacaat cgggaatttg    180
ctttgagccg ggcattcacc atnatcttca tcttgctcgc ctctttcatn ttcctcaaca    240
tgttcgtggg tgtgaagaaa antcncacac agnggantcc ntcaaaaatt tttgccaaaa    300
```

171

```
accttttnntt gaaccccnag ggaaatcctt ntngggaaaa aaacccgggg antttttccc      360
ccggccccc                                                               369


<210> 663
<211> 453
<212> DNA
<213> homo sapiens

<400> 663
ggctcctgtg gctgttccat ccctgaggaa aagtgaggac catgctctcc aaacaggcca       60
tgtgctggac tacctctgtt tctgtctcct gggattccaa tcagcaagtg agcaacgaag      120
caacccagac agtgtggttc ataggatggc tggaccctgc actcgatgga tcagctgaca      180
ccacctggac cagtaacctg gcccaaccag ttctgccatc gcagatagga acagaagaca      240
tatgaaaacc taacttcgac ccccgcctga ttccatctcc aacctgacca atcagcactc      300
cccacttctc aagcccctac ccgccaaatt atctttaaaa actcaaggcg ggttggggggg     360
ggttatgcct tgtaatccaa ccacttttgg gatccaaggc gggtggatca cctgaggtca      420
ggagtttgag accagcctgg ccaacgtggt gaa                                    453


<210> 664
<211> 435
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 664
ggaaatgcag aaatcacccg tnttgtgcgt cgctcacgct gggagctgtn gaccggagct       60
gttcctattc ggccatcttg gctcctccct gatcacctct ccaggctacn ctcttgagtc      120
gacactcata gttcgctaca cacagacctg gatcctggga ncaaaaaaat caagtatttn      180
ctatnaggng anggagctgg gaccatattt taaataaatg aatgnaactg gaganatnca      240
tgctataaan aaanttgccc ggangggaaaa gntnagtatn ccctaacnac ttaagccgng     300
gctgggagaa aanccaaact nttggngcnc cccnggaaat ttttttttaaa ggtcaaaaaa     360
tncatggnca tgcncccccag nttttttttat gggnccttttt attgcttctg tggccaaaaa    420
aggccatttt tggggg                                                       435


<210> 665
<211> 456
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(456)
<223> n = A,T,C or G

<400> 665
gacaaggcta ccaggtctcc aggactgaag gtcatcatct aagttggtgt tctcaactgg       60
aggcgattta ccccccaccc aggagacagt tggcaatgtc tggaggataa ggactcagga      120
cctaccgaat ggcagaacta aaagagctat aacataaaca gggctgaaac gtgccctgtg      180
ctcaccacgc tgtgggtgaa gagaaggaga gaagagatgc agccactcag ggagcccaga      240
cctgggagct ccccgagccc aggctgtgac tccctctttg aggtcctgtg gtttctggtg      300
tttgctgagc tcctgaacac caccacattc cctggtgcca gctggggaag ctgcttgcca      360
tgcacatggn caaancccaa gcttcaaaaa anagccagng tttgttccag cacctggagc      420
tgnccgnccc actggaacag ccagcatgcc tgatgg                                 456


<210> 666
<211> 460
<212> DNA
<213> homo sapiens
```

<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G

<400> 666
acggagtctt gctctctcgc cagtctggag tgcagtggcg caatcttggc tcactgcaac   60
ctctgtctcc cgggttcaag agattctcct gcctcagcct cccaagtagc tgggactaca   120
ggcgcccgtc accacgccca gctaattttt ttgtattttt agtagaaacg gggtttcagc   180
atgttggcca ggatggtctc gatctcttga cctcgtgatc cacccacctc accctcccaa   240
agtgctggga ttacaggcgt gagccactgc gccccgccgg tcttttattt tttaaacact   300
tactatgcca tgaattcata gggaatatgt tccagcacct caggcttctt tccactggtt   360
ctcaccaaat gtgcnttttt tggccagggc aaggctggca ctttcagttg aaccccagat   420
tccgcctgtg cacggccaaa ggaacaactt catgttttct   460

<210> 667
<211> 291
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

<400> 667
ggctatgcca tggagactnt ntagcatcca gaagatgcgt tgaagtgacc tgaacttgac   60
ctgcttaacc cttctcgggc ggnnaaccca ngangggaca ctactganat ggangntatt   120
tcattatctg cttggctnta tttgagtttt tggaacaccg caaaaaanaa gttctcngct   180
catggacata actggggcac ctgggccctt aagggccggg gcaattttna gattcttccg   240
gggacaantt attggtaaga ngggccctnt ttttattccc cttttgttta a   291

<210> 668
<211> 168
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(168)
<223> n = A,T,C or G

<400> 668
ccaccccaag cttgggaanc gtgctcgtnc ccanattgcc aaggggctca agctgtncgg   60
ccaaaagcca aagtccaagc cttagcccaa ggcnttggat tnaaaccacg gccaagggtg   120
gaagccccaa ctttaattng ggnttaaggc ctccaaaaac tgtacccg   168

<210> 669
<211> 202
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(202)
<223> n = A,T,C or G

<400> 669
tccaccatat gaggacatgg ccagaanaca gtcacctagg atcgaggaan cnggncctna   60
ncatacaatg ccttgtgagc aacgcttaac ctgggaaagt ccaanctnaa aangggcaat   120
antttngcnt tttaccctgg aagaantact cataagccac ctctgntatt tacccccaat   180
cttcacaaga aaaactgtac tc   202

<210> 670
<211> 227
<212> DNA
<213> homo sapiens

<400> 670
aagggccagt ctctggagat gtttcagctg gaaagatggc caagctcgaa taagcagatt   60
tatataaatc tcattgtttc catattaata aaatgagccg ctgggcacag tggcttatgc   120
ctgtaatccc agcactttcg gaggccgagg tgggtggatc atgaggtcaa taaattgaga   180
ccatcctggc caacatggtg aaaccccatc tctactaaaa acacaaa   227

<210> 671
<211> 547
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(547)
<223> n = A,T,C or G

<400> 671
ggtgaaggta ctctacagtg tggtcattga ggacaagttg acgagagagt cccaagtacg   60
tccacggtca gccttgcgac atttaaagtt ctacaatgaa ctcactggag atgcaaagaa   120
aagtgtggag atggagacac cccaatcgac tcgccagtct acaggtgtat ccagcagctc   180
caaagagaca gcaaccagca agaatgggcc atagtgacga tggtggtttt gtcaaaaaga   240
aaagggggggg atatgtaagg aaaagagaga tcagactttc actgtgtcta tgtagaaaag   300
gaagacataa gaaactccat tttgatctgt actaagaaaa attgttttgc cttgagatgc   360
tgttaatctg taactttagc cccaccctgt gctcacggaa acatgtgctg taaggtttaa   420
gggatctang gctgtgcagg atgtaccttg gtaacaatat gtttgcaggc agtatgtttg   480
gtaaaaagtc atcgccattc tncattctcg attaacccag gggctcaatg cactgtggaa   540
agccaca   547

<210> 672
<211> 233
<212> DNA
<213> homo sapiens

<400> 672
gatgctggat ttcaccctgg actctgagca agtcttttac tgtggtaaag gggcttctga   60
agccttggcc aagttcccat tttggttacc atcagcagtc aaggcagaga cgccccaggc   120
cacggccagg cccaagccag caaagaacat gaaaaaagga tgaaagcagc catgggaagc   180
aagtggaaat acacattgat ctttttctat gaagcttctt caagttagat aag   233

<210> 673
<211> 572
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(572)
<223> n = A,T,C or G

<400> 673
atggtgtgtc cggaattggt gggttcttgg tctcactgac ttcaagaatg aagccgcgga   60
ccctcacggt gttacagctt ttaaggtggc gcgtctggag tttgttcctt ctgatgttcg   120
gatgtgttcg gagtttcttc cttctggtgg gttcgtagtc tcgctggctc aggagtgaag   180
ctgcagacct tcacgagagt taagagagca aatcaagaca tgaaaatgat cccccccgtgg   240
aatatgcccc tgctattgag agaataaact actgatctac gcaacagcat ggatgaatct   300
cagagacatt ttgctaactg agagaagtca gacacagaag acatagtcaa tgattccatg   360
tgtatgaaat ttctagaaaa ggcaaaacta tagagacaga atggctgatc agtgttgtgg   420
ctgatcacat cgaggcacag aatgatcaat ggttgcctgg aactgcgggt gggaacagga   480

174

gtgacctcaa angagcaagg ggaacttttg ggggtggatg ggaatattgg gaaactggac   540
tgngatgggt gcttaagtgc gcaagttcac cg   572

<210> 674
<211> 532
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(532)
<223> n = A,T,C or G

<400> 674
cctctttata ccaggttggg aaggcactgg ggacagtatt gtggatcttc gctaaaaact   60
ctaggacttt catcttggtg gtttctacat gagctcgtgg accccataga aattgatggc   120
gcggaggatc actgtcgggc acttgctgat actgcaggca ggatccggaa ctcctccctc   180
aggcgactgg acgccagcgc tctcagacac tttcacttcc gcgaccccac ggctggatat   240
cggggtgcaa acccttccgg gaaagattgg gggtttgtgg ggctggcact ggggcgaagc   300
gctgtggggt taactgtctg ggttgcgcga ttccttaaaa ctcacataag ggctttttaa   360
tgactcccgg ccanggcgcc ttttggtacc aagttaacca cccttaaaca gcaacctact   420
cacancancc tngntttcan aaagcgaant gaaggggttc tganccnaca ancatgccag   480
ngcctcccaa actgacagca naagccancc ctggctggca gctggtttta aa   532

<210> 675
<211> 187
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(187)
<223> n = A,T,C or G

<400> 675
accataacct tttgagcaag atcagcctgg ntaagtccaa gctgaattgg cctcgctggc   60
ctgctcatga nancaatggn atggatttcc natnnngcgc cgncattnca annggactgt   120
anggccaatt natttgntt tttaccttg ggaagaaaat acttcnttaa ngcccaccct   180
tttgttt   187

<210> 676
<211> 117
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(117)
<223> n = A,T,C or G

<400> 676
cagtgtttcg gcgatggctt gaactgggct gggttgcttc atcattgnct gntgggncaa   60
cacgtccttt gaactggtcg acttttgtan canctgctaa aagtgcaaaa gcaggac   117

<210> 677
<211> 458
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(458)
<223> n = A,T,C or G

<400> 677

```
ttctgttttt gccttgggat tttgaagatc cattttcaga atggcacctg tgccccatac      60
ccactggaga ctgtggaaat ctggagggag caaccttggt gattctgccc caagagaagg     120
gattctctgg agctctggac aacatcctgg gactaagatg gacagtggga gtattgcagc     180
ttggagagga taatatttaa gggaaccaag ctgacactgg agcagtagtg ctgtggctga     240
gctgctggca caaagataca cagccaagtc cccctgctgt gtgcgctgga acttcagagt     300
ggagatggat ccctcanacc tctgtgcaga aaaccgatca cggggaaacc ccgatttgct     360
gctgcattct tgccttggaa agaaattgga aacttcaggc ctgcccagct ntgtcggnac     420
ccataaaagg cattatgacc tggaatcgga aaaaaaaa                             458
```

<210> 678
<211> 557
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(557)
<223> n = A,T,C or G

<400> 678

```
ggtgaaggta ctctacagtg tggtcattga ggacaagttg acgagagagt cccaagtacc      60
gtccacggtc agccttgcga catttaaagt tctacaatga actcactgga gatgcaaaga     120
aaagtgtgga gatggagaca ccccaatcga ctcgccagtc tacaggtgta tccagcagct     180
ccaaagagac agcaaccagc aagaatgggc catagtgacc atggtggttt tgtcaaaaag     240
aaaagggggg gatatgtaag gaaaagaaag atcagacttt cactgtgtct atgtagaaaa     300
ggaagacata agaaactcca ttttgatctg tctaaaaaaa attggtttgn cttgagatgc     360
tggtaatctg tactttancc caaccctgtg ctccnggaac atgtgctgta aggttaaggg     420
atctaaggct gggcaggatg tncttggtna caatatgntt gcagccatat gtttggtaaa     480
aagcatcgcc ttctcattct cgantaancc ngggctcaat gcnctggggn aagncccagg     540
aacctttgcc aaaaaag                                                    557
```

<210> 679
<211> 583
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(583)
<223> n = A,T,C or G

<400> 679

```
atattcttct ttcagtggga agccaagtca gatgcacaga gaacatacca gctcctccca      60
cttcctgctc agccatgcag tcgcaacaga aaacctatgt ggaggatgcc aacaccaaga     120
tggcgaccaa gcttctgaaa tggtgcagag ttctatggcc ctggtccagg tttccagctc     180
ctgactcctc tctgacatgg gaaatagata cactcttgct ttctgttttc gtccctgagg     240
gtggaactct ctgctcttcc gggacagctg ttgttttcgc tgctcagcat ccgcttctcc     300
catttctgga aagagcacct gattttccct tggagagcta ccttgcgtct gagctcccag     360
cataggcatc tgtcctaggc ctggccaatc agagcattta tgctaccctt anccacagtg     420
agtggtcatg gaaaggcacg tggcctgagc cagcccgtga gaatccgctc taagattggt     480
atagcactca ctggnaagaa gncttctntt tntggtgggg tggaaaacta caaggatgga     540
ggnctgaagc ttganaacac acanggtgag aacttgtctg aaa                       583
```

<210> 680
<211> 645
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(645)
<223> n = A,T,C or G
```

176

<400> 680
ttgcagaggg aatcactgga tgcaaatttg agtccacaca gacctggctg aagtgcagat      60
caggagggaa aactggagct tggagaaagc ttttctaaat ataaaggaaa aataaagtga     120
agatgaagtc attgatttgg aaagaaacgg agaatcctag tgtgactgta accccttgtt     180
tatgtatctg ggctgtggct agaaggaaga acaagtggtt ttggcagaag gctgctagca     240
agacgctgtg tcttttaaaa tcttcctgag atatctggga agcaacaaca acaacaaaca     300
acaacagcaa aagaaaagag ggaagacagt taagggtgaa ataattccac tggtggcact     360
gtgaggcgat aaccaaggca aggcactatc ctgattgcag acaaaacatg gaaggatgag     420
tattcctcag gatgaggaag ctgaattctc atggctttn ctgcagaact caagataang     480
cgcttgtagt gataccacat ccacatccac catgaatgaa gcctggattc ggattaccaa     540
gctgaatnaa cccagatatc atcttttggg cttagtgngg ctatttattg ctatctaaag     600
gatctgagtc tgaaggaaag ataaacctaa gtatttcatt agttg                     645


<210> 681
<211> 640
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(640)
<223> n = A,T,C or G

<400> 681
atggagtctc actctgttgc ccaggctgga gtgcagtggt gcaatctcgg ctccctgcaa      60
tctctacctc tcgggttcaa gcaagtctct gcctcaccct ctcgagtagc cgggattaca     120
ggcgcctgcc accatgcctg gctaattttt ttgtattttt tagtagagat ggggtttcac     180
catcttggcc aggttggtct tgaactcctg acctcctgat ccacccgcct cggcctccta     240
aagtgcgggg attgcaggtg tgagccactg agcccggccg agtttgtctg ctataaaagt     300
atggttgtcg tcattacagt gattgctgat tgagggcttg ctcagcacct ttctgggggc     360
tcaacgaatg ttctgtgatg ttgagttcac caccctatac cctgggagag agatagtgtg     420
tttccatttc acaggtcagc agactcgagc acagagaggt gaggtaacac agcctggcag     480
gaagtggaag ttgggattcg aggcctggtc tgaatggggt gctctcacan tgaagttgca     540
cttcaangga cccttgcaag gngctaacag aatgtgaatg cctttttngaa agtcaaaaaa     600
ttgnggtcaa naagggaaaa cattattttt tccccaccaa                           640


<210> 682
<211> 238
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(238)
<223> n = A,T,C or G

<400> 682
tggctcacaa tgggctcatt gaggacatta agcatcggcg gtattatgag aaaccatgcc      60
gccccttcag agggannnct atcaangnga ngnncaagnt gaataagncn nantttnttg     120
cnntntaccc tggaanaaat actcatangc cacctctgtt attgaccggc tgctgatgcc     180
tgagggtggg acacccagtg cgaaaccctc atccagtttt ctctccatcc cttttttt      238

<210> 683
<211> 612
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(612)
<223> n = A,T,C or G

<400> 683

```
tccaaaacgg gccatgatga cgatggcggt tttgtcgaaa agaaaagggg gaaatgtggg      60
gaaaagcaag agagatcana ttgttactgt gtctgtgtan aaagaagtan acataggaga     120
ctccattttg ttatgtgcta agaaaaattc ttctgccttg agattctgtt aatctatgac     180
cttaccccca accccgtgct ctctgaaaca tgtgctgtgt caactcaagg ttgaatggat     240
taagggcggt gcaggatgtg ctttgttaaa cagatgcttg aaggcagcat gctccttaag     300
aagtcatcac cactccctaa tctcaagtac ccagggacac aaaaactgca gaaggnccgc     360
aaggacctct gcctaagaaa gccaggtatt gtccaaaggt tctccccatg tgataagtct     420
gaaatgnggc ctcgtgggaa aggaaaaaac tgacgtcccc aacccgacac ctgtaaaagg     480
nctgtgctgn ggaggattan tnaaanaagg aaggaatgcc tctttgcant tgagacaaaa     540
aggaagnatt tgtcttctgg ctgtcccttg ggcaanggaa aaggctcggg ntnaaaaccc     600
aatgggtgct cc                                                        612
```

<210> 684
<211> 564
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(564)
<223> n = A,T,C or G

```
<400> 684
ttgctcttgc tgcccaagct ggagngcaat ggcgcaatct tggctcaccg caacctccac      60
ctgcngagtn cangcgattc tcctgccaca acctcccgag taggtgggat tacaggcacc     120
cgccaccacg cctggctaat tttgtatttt tattanagac ggggtttctc cacattggac     180
aggctagtgt cgaactcctg acctcaggtn atccgnccac attggcatnc caaagtgctg     240
ggatnacagg cgtgataaat tgaccatctt atacnacgaa gtcaaatgan angacttccn     300
nnaaantatt gtggncaact catgnttnat ttatcatanc ttcatcanta atngnttcnn     360
ataangccca aattgcatgg tatnngtggn aagatgcaaa nttnttggtc atactttgat     420
taaactgntg gggcatttat ctattaaaaa gactgctgtt tccattactt cccaaatcta     480
tanaacaagc ccaccctatc ttcctttact ganttttttt tngggngggg gcggctgtcc     540
cngtgaaata aacagcctgt tgtt                                           564
```

<210> 685
<211> 651
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(651)
<223> n = A,T,C or G

```
<400> 685
agtttcactc tcagaggagg attttgttct tcaattgtgg agtgatctct atcaccagtg      60
actaaagcag atgttggagc acagagagcc ataccccaaa atatgatgct tcggcatgct     120
gactgctttg aaaattgaaa ggcctcagaa ataatcctca gtgccagggt ctccctctga     180
cctcccccta cctcccttttc tctctgatcc tgtctctccc aaagcacaga atgaagctgt     240
tctctgaatt cccttatcta cctagaaact ggacccccaa agaggaacac aatttgcctt     300
tgatcccttc cctgaaattt cattaaccag agaaaattaa aacttctatc acaaaggaag     360
agactgaaca ttaaacacca tagctacagc ccagacaaac ttcttcccaa accattgttt     420
gttctcctgc tgttaaattg ccagagaatc attcacaaga taaagtctgc cttctgggtc     480
cattcattcc ccactaaaaa tcttttactc ctacaccctc atgtctcctt nctccatgaa     540
gaagggctat aaacctctan gcctcantgg gttattgggt aatcattctc atgcagttcc     600
cctgtgctct gcatggtaaa taaaattgna tgccttttct ccaaaaaaaa a             651
```

<210> 686
<211> 458
<212> DNA
<213> homo sapiens

<220>

```
<221> misc_feature
<222> (1)...(458)
<223> n = A,T,C or G


<400> 686
gtcagaggat gaagtttctg atggcaggag ggangcggtc tatcttcact gcggatggcg        60
aggtgccttt nggagnanga gnatngnaag atnngtcatc ctggctttgc gcncaanact       120
taaaanatct tgttggtatt ttcaagacga ataacattga tggaaaagaa ctgttgaatc       180
ttacaaaaga aagtctggct gatgatttga aaattgaatc tctaggactg cgtagtaaag       240
tgctgaggaa aattgaagag ctcaggacca aggttaaatc cctttcttca ggaattcctg       300
atgaatttat atgtccaata actagagaac ttatgaaaga tccgggcatc gcatcanatg       360
gctnttcttt tgaaaaagga agccntggaa aattggatca ncaaaaagaa acgtcaagtc       420
ccatgacaaa tcttgttctt nctttcaccg gtacttaa                              458


<210> 687
<211> 459
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G


<400> 687
agttcactcc tgatgggaac atccagagac atcttcagag agctttgctt tgacccccac        60
cccccaacat tttaaggcat ggatctggaa ataatgtagt tggtttgcaa agacgctgca       120
cttgatggat caagcagcca tcaccccgat cgataaactg gctcatctga tattgtggcc       180
ccactcagga actgactcag cacaagagga cagctttgac tccctatgac ctgaccaatc       240
agcacaccca actcactgcc ccccaccagt tcacaaatta tccttaaaaa ctctgatccc       300
caaatgctcc aggagactaa tttgaacaac aataaaactt cagtctccca cacaactngg       360
tctggggngn attacacttt tntctgttgc aattcccctg tcttgataaa tcaactccgt       420
ctangcaggg ggctagatga acccattggg cgggtacac                             459


<210> 688
<211> 416
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G


<400> 688
gcagggtcat tctaggntnn ttgaatgact ttatgaatct ctggacttca accagctttg        60
gaagccaaga taacatgata acaagagacc cttgtctctt gccacttgaa gtcagtggcc       120
tgaaaggacc actgaatttt gttaactccc ctacagatca cctactttgc attatgtttt       180
ccagatctct catttagttc ttataactga agaaaatcag aaagtgtttg ctatcatgct       240
ctccagaccc aacacaagga gagtgccaag agaataatgc aaatgaaaca tgtcaagagg       300
ccgtggacat ttgcaggtta tgcaaaactt gacttctgag ggaaaaggca tcanaatcac       360
ttgttttttgt aaatgaagtn taaaggagag gattccttgt tggtggggggg gggggg        416


<210> 689
<211> 466
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(466)
<223> n = A,T,C or G
```

179

<400> 689
```
tccctagagc gtgcaagatt tttggtttca aaccaatttc ctgctgacca gaatgaaatg      60
gagccacatt ccagcacgat gcacctgctg acctcctgcc cagaccatgg aagacactca     120
ataaaaagta agtgattaaa tgacaacctc tacggaaaag agtatggaga tttctcaaag     180
aactaaaaac agaactacct tttggccaga tgcagtggct cacacctata atcccaacat     240
ttgggaaggc tgaggcaggt ggattgcttg agcccaggag ttcaagatca gcctgggcaa     300
catggtgaaa ccctatctct acaaaaaata cagaaaatta gatgtgactt ccggnggcac     360
acatccntag taccagctac tccaaaggct tgaggcggga ggatcgcttg agcccaggag     420
gtccaggcta cagtgggcca aagatcacgc cattgcactt cattca                    466
```

<210> 690
<211> 169
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(169)
<223> n = A,T,C or G

<400> 690
```
gcagagatct gacgcttaaa acattctgat gaccgggatt ccaaccggna ttcccttgag      60
gagggnnagc tgatacatcn naccatggct atcaccatna tgatctcccc gtatagaaga     120
nactactcta tggnngacat gaggaaaata agatgattct ttggccatc                 169
```

<210> 691
<211> 464
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(464)
<223> n = A,T,C or G

<400> 691
```
gcaagatccg gcctccttgg caccaagttt gcatcttgtt gccctcaact actacacaaa      60
ctcagcctgc ctgcacccac atgaaataaa cagtcttgtt gctcacacag agcctgttta     120
gtggtctctt cacacagatg cgtatgacat ttggtgctga agaccagggt cagagggact     180
gcttcaagag accagttccc tgtcctcacc ctcactctgt gaagagatcc acctacaacc     240
tccggtcctc agaccaacca gcccaaggaa catctcacca atttcaaatc agatggattc     300
tcgctctgtt gcccaggctg gagtccagtg cgcgccatctg gaagcttcgn cttctngggt     360
tnacgccatt ttcctgcctc agcctcccca gcagctgggg actacaggtg cccgccacca     420
cgcccggcta atttttggta tttttagtag agacggggta gtgc                      464
```

<210> 692
<211> 423
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

<400> 692
```
tgggattgca tcttttgcag aggacaggtc cttaagggca gagtcggtta agantcanan      60
tggccnnaan antntntngg aancccnccc tgtngnagcc caccaannat nncncnctan     120
ntctttaatc atcanagaat ttacgacagc tacanggcnc ttattaaatg cttgattctg     180
ttttaaaaca caagccgaac ccgaggaaga ggaagaagat ttgcctgntg ctcaaactgt     240
cctaaaagaa cttccanaan ttatgncccn nntanccccn cacaagcccg gactggcaag     300
cttttanaaa ccaaagaatt tcttttcaag ancgngcccg ggttatcaat gctttggtat     360
ttgtaagggc tggaatgtnc aaaacccttc aanggagggg gggtttattt aactgcttcc     420
```

180

cca   423

<210> 693
<211> 393
<212> DNA
<213> homo sapiens

<400> 693
ttgagaccta actgaggaag cctggatcca acttttgaag gataagagat ttcacagatc   60
attgattaca aaggcaatag ccaacaccaa caccccagac atgagaggga tgctaccttc   120
gatgcagcct ccctgcccgg ccccagtcaa gccaccgatg actgctacta cctgagcaag   180
cccaggagtg ggattggtgg ctctgtaaga agaggaggag gcacctgagc tggcacactc   240
agctccttca ccatgtgatg ccctgcacca cctcaagact gcagagtcct taccaacaag   300
acggcactca ccaaatgcag cccttagacc ctggacttct cggtcttttt aactgtaaga   360
aataaattcc ttttctttat aaattaaaaa aaa   393

<210> 694
<211> 126
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(126)
<223> n = A,T,C or G

<400> 694
agttggcacc tttacctctg gacaacattn tccnnttnag cgaagtccag cctggtttaa   60
gtccaagctg aatnggncaa ttctttttgct ntttaccctg gaagaaanac tcataagcca   120
cctctg   126

<210> 695
<211> 306
<212> DNA
<213> homo sapiens

<400> 695
ggggtggaag ttccaaattg cagaatgatg ttcaaggaag tgggatatac caagaacaca   60
gatcacacat ccagagtaag caatggacaa aaaacagact ggctgaagta gaggatttat   120
atatgtcatg agtgtgccac agaaaatgaa aacggacaac ggacaaggat attgcagtaa   180
aacttttgaa agttttgttc agcaatggaa atttgtacac actacaggaa taccctataa   240
tttgcaaggt caggccacag tagaaagggc cattcggact cttaagacac aattggaaaa   300
acaaaa   306

<210> 696
<211> 496
<212> DNA
<213> homo sapiens

<400> 696
gtggatcgga tcattttctg tgtcttctta gaagttgact tcaaaatcta caaaaagaaa   60
atgaatgagt ttttctccgt agacgataat aatgaagaag aagaggatgt tgaaatgaaa   120
gaagattcag atgagaacgg tccagaggag aagcaaagtg tggaagaaat gggagagcag   180
agccaagatg cagatggtgt caacactgtc actgtgcccg ccctgcttc agaagaggca   240
gttgaagact gtaaagatga agattttgca aaggatgaaa atattacaaa aggcggtgaa   300
gtgacagatc attctgtgcg tgaccaagat catcccgatg gacaagagaa tgattcaacg   360
aagaatgaaa taaaaattga aacagaatcg cagagctcat atatggaaac agaagaactt   420
tcatcaaacc aagaagatgc cgtgattgtg gagcaaccca gaagtgattc cattaacaga   480
ggaccaagaa gaaaaaa   496

<210> 697
<211> 239
<212> DNA

181

<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(239)
<223> n = A,T,C or G

<400> 697
atgtattgac caccattgtt agaaaaccgc ccccccgcct ctccataatg aggaactgac   60
accataatga aaatgctttg gcttgtgagg ncntnctgnn ntnttcntgc attgatgncc   120
naccttggtn agtgcaactc ccttataata cctagaccta aacggcttga tacaggcaga   180
ttagagggtt cccctgtgt ccttattcgg gaagacttat gattaaactt ccttctctg   239

<210> 698
<211> 424
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(424)
<223> n = A,T,C or G

<400> 698
gaggcgaaca gaagacggag acaaggacaa agtcatgata agaagagagg aactgttttt   60
tacacccttt tgagcaagtt cagcctggnt aagtccaagc ttgctttag gtntttacct   120
tgganaaaat aacttcataa nncacctctg gtatttaccc ccaatcttna naagaaaaac   180
tgggtgggct caagtgatcc tccctcctta gcctccccaa gtagctggga ctgcagatgg   240
agtttcnctc tgttgcccag gctgnagtgc aatggtacng atctcggctc actgcaaccc   300
tctgcctctt cagggntcaa gncaattctt ctgccttcaa ccctcctgga agtanncttg   360
gggatttacc aaggncntnn ctcccnccca ncacccctgg gnttaaaatt ttctggaatt   420
tttt   424

<210> 699
<211> 211
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(211)
<223> n = A,T,C or G

<400> 699
cggccgctag gccacgctgg cctagcggcc gagaatnnan ctnggnctta nncangctna   60
acttnntnaa aaggtagggg actaccncct tttgagcaag ttcagcctgg ttaagtccaa   120
gctgaattcg cggccgctag gacagcgtgg cctanccggc cnngaaattc tttttgcttt   180
tttaccctgg nnaagaaaaa tacctcataa a   211

<210> 700
<211> 109
<212> DNA
<213> homo sapiens

<400> 700
atcctttttg gagcaaggtt caagcctggt taagtccaag ctgaatcttt tgcttttac   60
cctggaagaa atactcataa agccaacctc tggttattta ccccccaat   109

<210> 701
<211> 188
<212> DNA
<213> homo sapiens

```
<220>
<221> misc_feature
<222> (1)...(188)
<223> n = A,T,C or G

<400> 701
gctaggccag cgtggcctag cggccgngaa tagatgcagg gcnttangcn agccnancnt      60
attnnaaagg ngggnactac cccctttttga gcaagttcag cctggttaag tccaagcttn    120
aattcgcggn cgctnggcca cngctggcct atcggctcgn aaattcttttt gcttttttacc   180
cttggaaa                                                              188

<210> 702
<211> 144
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(144)
<223> n = A,T,C or G

<400> 702
ttttttttgat caccttttga gcaagttcag cctggttaag nccaagcttg aattcttttg     60
cttttttacc ctggaagaaa tactcataaa gcccacctct tgtttttttta cccccccaatc   120
tttacaagaa aaaactgtaa gctc                                            144

<210> 703
<211> 287
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(287)
<223> n = A,T,C or G

<400> 703
gccaaagggt gtccaaacta tacagaccca cagaatctaa caacagatgt ctcaatattc      60
ctcgtcctag aactctcaga ggatccanaa ntacaccngg tgngcgtggg nagngctggt     120
gnagntnaag ctgaattggg gagttgtnna gcntnttacc ctggangaaa nactcatang    180
ccacctctgt tatttaccccc cnatcttnac aagaaaaact gtgtgcttgn ntgacantgg    240
nntcanctnc ccatggggcc ccaanangat tgtggacatc caattct                  287

<210> 704
<211> 430
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(430)
<223> n = A,T,C or G

<400> 704
ctggggagct cctgcattag gtnnaactga ggctttgaaa gatgagaatg gacagaagaa      60
tttcatctgg tccagtaaag attagaggcc aagagcttat cagcctttgt gttccacaga     120
tgaaggtcag caagaaaaca gaagtcttac atctcctggg cctgcaaagc atatctctgc     180
acaagaatga cgaaagtctg ttttaaagaa agtctgagtc tttcttagaa agctgaattc     240
aaaatattct actttatctg ggctgcaatt gcattttcaa agcctgcttc aatcaaatat     300
aattcttagt cagtgtcaca caacaaaaac atttagtcac tgntagtatc gagacaaagc     360
cctaaaactg taaataacaa tttcaggtca ttctcgggga tccttataaa tatgtaaatc     420
acaaaaaaaa                                                           430
```

183

<210> 705
<211> 421
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(421)
<223> n = A,T,C or G

<400> 705
```
gagttatgtt ctgtgaagaa gccataaacg ctgaattagt gaatagtgaa ccgtttttcc      60
taggggaaat acaaggagtt atgttctgtg aagaagccat aaacactgaa ttagtgaata     120
gtgaaccgtt tttcctaggg gaaatacaag tagagatgaa gtttcaccat gttggccagg     180
ctggtcttga actcctgacc tcgtgatcta cctgccttgg cctcccaaag tgctggaatt     240
acaggcatga gccactgcac ctggctgctt ttgccccttt tgcttggctt ctccttgctg     300
ccaccatgtg aagaaggacc gtgtttgctt tccctttcac catgaatgga aggtttcctg     360
aggcttcccc agccatgctg aactgngagt caattaaatc tctttccctt gtaaaaaaa     420
a                                                                    421
```

<210> 706
<211> 450
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

<400> 706
```
ctaaacaagc actggacttg agataagcaa tgctgaagca cttgcagctc acctattacc      60
ataaactgac tgagccctcc ctacacaagc cgtaactact gctttgattg gacaagagac     120
tgatttcagt agttttctct tgataagaga ccactggccg tgggcgggtt ctggacagtt     180
tacagaagct atgcacttga ttgcctttgt gtccctgctt caccttttga agcatagggc     240
ctaattataa tgtatttaaa tgttgtctcc accccaaagt gaacatgggt tgcatgtaac     300
aggcatgttt actcagcatg catgcagcaa ggatcccttc acaaatattn anagctcccc     360
ctattccctg gttgaatatg gtatatggng gncagccaga tcaacggtaa atcactattc     420
gccctcccct ccctggaaac ctacttttcg                                     450
```

<210> 707
<211> 104
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(104)
<223> n = A,T,C or G

<400> 707
```
cctttcgagc aagttcagcc tggttaagtc caagctgaat tcttttgcgt ttntaccctg      60
ggaggaaata ctcnaaancc ncctgtgttt tttaccccca tcct                     104
```

<210> 708
<211> 116
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(116)
<223> n = A,T,C or G

<400> 708
agcctggtta aagttcaagc tgaattcngc ggggcgctag gccacgaatt nttttgcttt   60
ttaccctgga agaaatactc ataagccacc ttttgnnatt taccccgaa ttcttt   116

<210> 709
<211> 109
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(109)
<223> n = A,T,C or G

<400> 709
ttcaactctg gttaaagtcc aagctgattc ttntgcnttt taccctggaa gaaatactca   60
taangccacc tctgttattt acccccaatc ttcacaagaa aaactgtaa   109

<210> 710
<211> 218
<212> DNA
<213> homo sapiens

<400> 710
agactggatc tcactttgct tacgctggtc ttgaactcct ggactcaagt gatcctccca   60
cctcggcctc ccaaagtgct ggaattacag atgtgagcca ctgcaaccct cttctggtga   120
gagaacacaa agtttggtgt ccttcttaga acaagggagg gaaatccgct ggaaataaaa   180
tgagtcaata tctcactaca tcatcttaaa aaaaaaaa   218

<210> 711
<211> 102
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(102)
<223> n = A,T,C or G

<400> 711
aatttcggcg gcccgcttgg cctaactggc ccgcngaaat tcttttgctn ttttaccctg   60
gaagaaaata ctcataancc acctctgtta ttttaccccc aa   102

<210> 712
<211> 159
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(159)
<223> n = A,T,C or G

<400> 712
agagtgtctc cccctcatca ttttcctgag gaacaanact taagtattgc ccttgacagg   60
aagatgaang taaagaagat tttgccattg caanctggtt ctatttaaaa atccgattgg   120
ccaaaggncc ngaacttgna tattaaccta cccctggct   159

<210> 713
<211> 398
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

<400> 713
actatggaat tgatgtcaga caaaaagcaa attcaagcga ctttcttatt cgcgtttaaa   60
ctgagtcaca aaccagtgga gaaaactcgc aacaacaaca acgcatttgg cccaggaact   120
gcttacaaac atacagtcag tggtgattca agaacttttg caaatgagat gagagccttg   180
tagatgaaga gctagtggct ggccatcaga agttgaaaac gacaaattga gagcaattat   240
caaagccaat cctcctacaa ctataccgag aagttgccga anagctcaac gtcaaccatt   300
ctacagtcgt ttggcatttt gaagcaattg nggnaanggg ggaaaaaanc tcaagttaag   360
ggggggtgc cttcatgaag ctgagcgaaa aatcaaaa   398

<210> 714
<211> 436
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(436)
<223> n = A,T,C or G

<400> 714
gtggggtctt tcaccatcaa taccagaagc tccagaccag gaacctgaag ttcccatcag   60
ccagtacacc tgtgaaccag tggaggacct gaagtacctg tttaaaagat agccaaaaga   120
taagtaaatg cctaccaact ttctttggtg tctttgttgc atagttactg tgggctggaa   180
aatagtagcc atttttatct ttgcagttta attgccttct tccaaataga taaaaatcac   240
ttcctttgta ataattaaac agaatttaaa aaatacattt ctatgacaaa tattcctgat   300
ggcataagta tccacccaa ggntcccatt aaatcntttn acccaaaagg nttttcctnt   360
cacctagaga tnatcgagct gtgtgacaag ggtgccagcc actccaggtg aagacaccac   420
cccaggccat caagga   436

<210> 715
<211> 448
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(448)
<223> n = A,T,C or G

<400> 715
ctacttcgag atcacttctc caacctacag atggatgcat agaaattaga gtgagacaga   60
aatgttgctg gacctgttga agaataccc aacctagaca gcacctaagg agtttctccc   120
ggctctggca gaagggggagc tggggctctg tctgcacggc agctgcctct ccactccgac   180
agcagaagca ggcagaatct cgctctgttg cccaggctag agtgtggtgc tgcaatctca   240
gctcactgca acctccacct cccagttcaa gcgattctcg tgcctcagcc taccgagtag   300
ctgggattac agccatacac caccacgcct ggnttaattt tggaatttta agnanacacg   360
gggtttttcc atgttggcca ggctggtctc gaactcctgg cctcaagtga tctgctcacc   420
tcagcttnct aaagtgctgg aattacag   448

<210> 716
<211> 428
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(428)
<223> n = A,T,C or G

<400> 716

```
ccctcgccag aacccagcca tgctggcatc ctgatctcca acttccagcc tctggaactt      60
aaattcctca tctatgcctg tctgctgctg ttctctgtgc tgctggccct tcgtttggat     120
ggcatcatac agtggagtta ctgggctgtc tttgctccaa tatggctgtg gaagttaatg     180
gtcattgttg gagcctcagt tggaactgga gtctgggcac gaaatcctca atatcgaagg     240
agaaacgtgt gtggagttta aagccatgtt gattgcagtg ggcatccact tgctcttgnt     300
gatgnttgaa agtctggnct ngggacaaaa tcgaaaaagg aagccattct ggctcctggc     360
ttatgccgtg tctttgtttc cccggtgtct gttgcagctt gcgtttgggg ctttcgacat     420
gaaaccta                                                              428
```

<210> 717
<211> 272
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(272)
<223> n = A,T,C or G

<400> 717

```
ataacctacc ctgctggatt catggatgtc atcagcattg acaaagactc gncagagaaa      60
nttcccncct ggatttataa caccaaaagg ggccgctttt nntnttacat tcntaattac     120
ncccctggna gnaggcccca agtnncaana gttnnngcca aaantggaga aaaaaaantt     180
tttnntgggg ccccaaaaag ggaaatnccc tccattttgg tggacttcat gaatgncccg     240
cnaccatttn ggttaccccc cgaatcccct tc                                   272
```

<210> 718
<211> 127
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(127)
<223> n = A,T,C or G

<400> 718

```
tgttgaagaa gtggtaatga ccngagctgg gaaggggtta atgnacccct gccgaattcc      60
cnttcaagcc tccaaagaat ggaataaaga gagattcttt ttttttttt nnagggacgg     120
ggcctttt                                                              127
```

<210> 719
<211> 307
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(307)
<223> n = A,T,C or G

<400> 719

```
gagctatccc acatgtcacc ttctacatga agagttccct ccgttaaagt gaaaagacag      60
cctacacaat aggaaaagac gtttgcaaat catatatcca ataagtgatg tgaattgggt     120
cattcttgtc accccaacta aaacagagtc aagaagccat taggagaagc actcagggaa     180
tgtaacagca ctttnagaat gtaattttct gcaagcctgg atgctgaaat tgcctgtgac     240
ctgaccagtt ttccggtgtg aacaacctgt gaatttaaac tggtttactg cataactcac     300
catgaga                                                               307
```

<210> 720
<211> 313
<212> DNA

<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(313)
<223> n = A,T,C or G

<400> 720
atgttgccca ggctggactg cngtggntat tcacagaggt gatctcatta ctaatcaaca   60
caagagtttt gacttgctcc atttccgact tgaccagttc acacctcctt agtcaacctg   120
gcagtcccca ctcccgggag gtcaccatat tgatcctgaa ctcagcgcag atacctgttt   180
ggataacaca atacagccca gaaccctgga ctcaagcgat cctctgctcc agagtaggct   240
taggacactt gccactcagn agaccatata ttttaaaact tgctctggat ttcaatctgg   300
ttctggatat ggc   313

<210> 721
<211> 318
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(318)
<223> n = A,T,C or G

<400> 721
ataactgact caaatgttgc cttttcctaa actacccatg gccccacccc acctgatnct   60
gtgcctatca agaccccaga cttcaatcnt gcctgaggat aaccagctgc ttggncnaca   120
gaanggacnt gactttgcna agggtaattt ttgggntttt taagnagaga caaggatttt   180
cccctttttg ggccaggntg ggcttgaaac ttcctgaact ttggggaaaa anaccccncc   240
ttnggctncc caaaggggng tggggattac annggagcnc tgtccccggc ctatgtnttt   300
tttttttaaa aaaacctt   318

<210> 722
<211> 280
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(280)
<223> n = A,T,C or G

<400> 722
ctcaaatgtt gccttttcct aaactaccca tggccccacc ccacctcatn ctgtgcctat   60
aaagacccca gacttcaatc aggagagagg agaaacagct gaatgntgga gaagaangga   120
cttggacttt aaaaggacgc ttgntggggt aacccgggaa aatccaaccg ggctttaggg   180
gaaagaatac cttcccccttc tttgtccctt tttancttcc cttttttttcc actgggaacc   240
nctttatngg gataaanctt ctggtttact caaaaaaaaa   280

<210> 723
<211> 551
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(280)
<223> n = A,T,C or G

<400> 723
acacccctttg gccacctttt tccacctgtt tttccgagtg agtgccatcg tcacccacgt   60
gagctgcgac tggttcagca agagctttgt gggctgtttt gtcatggtgc tgctcctcct   120
gtccctggac ttctggtctg tgaagaatgt aaccggaaga ctcctggtgg gccttcgatg   180
gtggaaccag atagatgaag atgggaagag ccactggatc tttgaagcca ggaaggtctc   240
tccgaatagc attgctgcca cagaagctga agcacgaatc ttctggctgg gcctcataat   300
ctgccccatg atatggattg tgttttttttt agcaccttat tttccttgaa gctaaagtgg   360
ctggctctgg tggttgctgg gatctctctc caagctgcaa acctgtatgg ctacatcctt   420

188

```
tgtaagatgg gaggcaacag tgacattggc aaggtcacag ccagtttcct gtcccagaca    480
gtgttccaga cggcctgccc aggtgacttt cagaagcctg gcctcgaggg gctggagatt    540
caccagcatt a                                                          551
```

<210> 724
<211> 122
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(122)
<223> n = A,T,C or G

<400> 724
```
gtctttcgcc tggcccatnt taatatgtgc gctgccctnn aggaattcgc ggncgctagg     60
ccaattcttt tgcttttac cctggaagaa ataatcatna gccacctctg ttatttaccc    120
cc                                                                  122
```

<210> 725
<211> 145
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(145)
<223> n = A,T,C or G

<400> 725
```
ggcctacgac atatcatatc tatacacaan tnttgaacgc gctgagaaca tnattaagtc     60
ttttgaagaa gttcttcttt ttgaggatga acttcatgat catggagtnt taancctgnc    120
tgtgaagaat atatttaagc cgtct                                         145
```

<210> 726
<211> 486
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(486)
<223> n = A,T,C or G

<400> 726
```
acagttccca gcgcgctgct cgtccagctg attcaggaac gcctggctga agaggattgc     60
atcaagcagg gctggattct ggatggcatc cctgagacgc gtgagcaggc tctgaggatc    120
cagaccctgg ggatcacacc cagacacgtc attgtgctga gtgctccaga cacggtcctg    180
atcgagagaa acttggggaa gagaatcgac cctcaaacag gagagattta tcacaccacc    240
tttgactggc cacccgaatc tgaaatccag aaccgtctca tggtgccaga ggacatctca    300
gagctggaga cggctcaaaa actgctggag tatcatagga acatcgtcag ggtcattccc    360
ttctacccca aaatcctcaa aagtcatcag tgctgaccaa ccatgtgtgg acgtcttttt    420
ancaaggctn ttgacctatg ttccaaacaa ncatngtact aatggccccg ttcaccccca    480
aggtgg                                                             486
```

<210> 727
<211> 464
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(464)

<223> n = A,T,C or G

<400> 727
atttctcagc tgaatacact gattacactt ttgctgggag aacttccacc tggagacaga   60
cagaagatca tgacaatttg taccatagat gtccatgcca gagacgtggt ggcaaaactt   120
atttctcaga aggttgtcag tccccaagct tttacatggc tgtctcaact tcgtcaccga   180
tgggaggata cccagaaaca ctgctttgtt aatatttgtg atgcccagtt ccagtacttc   240
tatgaatact taggaaacag ccctcgacca gtgatcactc ctctaactga caggtgttat   300
attaccttaa ctcaatcact tcatctaacc atgagtgggg ctcctgctgg cccagctggt   360
accgggaaaa cagagaccac caaagaccta ngacgtgccc ttggcatgat ggnctatgta   420
ttcactgntc anaaccaatg gactaccaat ccttaggca tttc   464

<210> 728
<211> 137
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(137)
<223> n = A,T,C or G

<400> 728
tgccatccac ccttaagaga gtcaccatca tgcccaaaga catccagttg gctcgccgga   60
taccggggag agaaaagctt aagtgaangc antttttttg gggtttgnaa taaaattttg   120
gnaaaaactt ttgggtt   137

<210> 729
<211> 501
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

<400> 729
gctgcacaaa aaagcatggt gcgggcatct gctcggcttc tggtgaggcc tgtgagtgtc   60
tcctaacgag gaagcttcca atcatggcag aaggccaaca aggagcaggt acatcatgtg   120
gcaagagcag gagcaaggga gagaaggagg aggacccaga ttccttcaaa caaccagctc   180
tagcatgaac taacagagca tgaactcact cattaccttg cggagggcac caagccattc   240
acgagggatc tgcccccatg actaaaacac ctccccaccag gccccacctc caacactggg   300
gctcatattc caacatgaga tttggaggag acacatatcc aaaccatatc acacacctgg   360
gggacagcta taggaatcgt gcctctttgg gttgtcaatc tggccaaaaa caatggactc   420
caacctttgc gtnggcttgg ggactggtta atctggcttg gggaggaaaa naattnaacc   480
ttgcccaggg gaaggcctgg c   501

<210> 730
<211> 446
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(446)
<223> n = A,T,C or G

<400> 730
gctgcacaaa aaagcatggt gcgggcatct gctcggcttc tggtaaggcc tgtgagtgtc   60
tcctaacgag gaagcttcca atcatggcag aaggccaaca aggagcaggt acatcatgtg   120
gcaagagcag gagcaaggga gagaaggagg aggacccaga ttccttcaaa caaccagctc   180
tagcatgaac taacagagca tgaactcact cattaccttg cggagggcac caagccattc   240

190

```
acgagggatc tgcccccatg actaaaacac ctcccaccag gccccacctc caacactggg    300
gctcatattc caacatgaga tttggaggag acacatatnc aaaccatatc acacaccttg    360
ggggacaagc tatangaatc gtgccttttg gggtggcnat ctgccagaaa caatggactc    420
acaaccttgg cgtgggctgg ggactg                                        446


<210> 731
<211> 488
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(488)
<223> n = A,T,C or G


<400> 731·
gctgcacaaa aaagcatggt gcgggcatct gctcggcttc tggtgaggcc tgtgagtgtc    60
tcctaacgag gaagcttcca atcatggcag aaggccaaca aggagcaggt acatcatgtg    120
gcaagagcag gagcaaggga gagaaggagg aggacccaga ttccttcaaa caaccagctc    180
tagcatgaac taacagagca tgaactcact cattaccttg cggagggcac caagccattc    240
acgagggatc tgcccccatg actaaaacac ctcccaccag gccccacctc caacactggg    300
gctcatattc caacatgaga tttggaggag acacatatcc aaaccatatc acacaccttg    360
gggacagcta taggaatcgt gcctcttggg gttgtcaatc tgccagaaac aatggactca    420
caaccttggc gtnggcttgg ggactgttaa tctgctgngg gagnaaanaa ttaaccttgc    480
ccagggga                                                            488


<210> 732
<211> 401
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G


<400> 732
atagctggga gattacagat gcctgccacc atgcccagnt aatttttgt attttagta    60
nagacggggt ttcaccatgt tggccagtct ggtcttgaac tcctgacctc aggtgatccg    120
cccgcctcta cctcccaaag tgctgggatt ataggcataa gccaccgcgc ccggcgaata    180
tgccctttac tgaaaaggnc atggcaactt ccagaagtaa gatggacaag atgaaggcta    240
tcattcaaaa gcttccgctt tacatacaga aagtgacagc ttttgaaaat cccgtgctgn    300
agcagtaaag tactttaagg aacctggang gccntgggct ttggattttg atggnancct    360
gacaaaccnt aaaatttgca nttgnccaag ggtggagcca t                       401


<210> 733
<211> 475
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G


<400> 733
actctaagca ggtggctcaa tccacttatc ancatttggc ntaccatggt gtnaatggag    60
gcatnacaaa gaaacatnnc cgnagnctnt accagngana aggctacaga atcatgggca    120
natgaggtct cgctctgtgg ctatagctca ctgcagcctc aaattcctgc gctcaagtaa    180
tcctcccacc tcagcttccc aagtagatgg gactacagcg atggggtctc actatgttgc    240
ccaggctggt ctcaaactac agtggctcaa acaatccttc cagtactgcc tcccgaggtg    300
ctgggattat aagcgtgagc cacaagcacc tggccacaga agtacatttt aaatggctta    360
ataaaacgtg acagaataag aaggngggag ctctgaattt aaagnccaag ggatccccac    420
```

191

```
ttggttatta aaaatnatca ngaacccctg gttnatcgnc ttcctcaatt ttttt            475


<210> 734
<211> 116
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(116)
<223> n = A,T,C or G

<400> 734
ccttttttgag catgttcang cctggnttaa ngtccaagct gaatttggcc aattctttttg       60
cttttttaccc tgggaagaaa tactcataag cccacccttt tgtttatttt accccc          116


<210> 735
<211> 195
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(195)
<223> n = A,T,C or G

<400> 735
gaccctttttg agcaagttca gcctggttaa gtccaaagct gaattggcct cgctggccat        60
ttaaatggcn gccgccctcg agngaaattc cgcagggccc gctagggcca aattctttttg      120
cttttttaccc ttggaagaaa atactcataa agccacctct tgttatttac ccccanatct      180
tcacaaagga aaaa                                                        195


<210> 736
<211> 497
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(497)
<223> n = A,T,C or G

<400> 736
attttcttct acctcagttt aaaagatgtg ataatatgtg gtcaagttaa tcatgcctgg        60
atgttgatga cacaactaaa ctcactgtgg aatgctattg attttttcctc agtgaaaaat      120
gtgattccag ataaatatat agtgtctact ttgcaaaggt ggcgtttaaa tgtgctgcgt      180
ttgaattttc gtggttgtct tctccgaccc aaaactttca gatctgtcag ccactgtagg      240
aacttgcaag aagttgaatg tctctgactg cccaacattc acagatgaat caatgagaca      300
catttctgag ggctgcccgg gggtcctgtg tctcaatctg tctaacacaa ctatcaccaa      360
caggacgatg ccgacttcct ggccgaagca ctttcacaac tttacaanaa tcttaanttt      420
ggcttattgn aaacnggtca caaanaaaaa ccttacaagt accctgaacn ttgggggaan      480
gggtggcccc aagcctt                                                     497


<210> 737
<211> 299
<212> DNA
<213> homo sapiens

<400> 737
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg        60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta      120
ccacgcctgg ctaatatttg tatttttttgt agagacgagg cttcaccatg ttacccaggc      180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat      240
```

192

```
      tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagccc aaaaaaaaa            299

<210> 738
<211> 404
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

<400> 738
ctttggaggc caagatcacc gcgcctggtg ttggtgtctg gtgagggctg ctctctgctt             60
ccaagatggc ngccacgttg ctgtgacctc cggaggagcc aatgcagtgt cctctcctgg            120
tggaaggcag aaggaatgag acctgcagac cagaatggga gagatgggca gaaactctag            180
agctggatgg atcttttgg aaagagggaa gagttaactc atgagagaga aaggatagct            240
gctgccagga ggaaggaggc tgggtggctg acggctctcc cacctgccac caagtaagac            300
gtatctttgc ttctccttca tctttgccat gattgtaagc ttcctgaggc ctccccagca            360
atggagaact gtgagtccat taaaactctt ttctttataa atta                             404

<210> 739
<211> 325
<212> DNA
<213> homo sapiens

<400> 739
gctggagtgt gatggcgcaa tcttggctca ctgcaacctc tgcctcctgg gttcaagcga             60
ttctcctgcc tcagcctccc gagtagctgg gattataggc gcctgccacc acgcccggct            120
aattatttat attttttagta gagacggggt ttcaccatgt tggccaggct ggtctcgaac            180
tcctgacctc aggtgatcca cccgcctcag cttcccgaag tgctgggatt acgggcgtga            240
gccaccacac ccggcctcta atcttaattg aatttcttaa gcaggcttct ccatgaaaat            300
aaaatgaagt gattgacaaa aaaaa                                                   325

<210> 740
<211> 442
<212> DNA
<213> homo sapiens

<400> 740
atggagtctt aatctgtctc ccagactgga gcacagtggc accatctcag ctcactgcaa             60
cctctgcctc ccgggttcaa gcaattctcc tgcctcagcc tcctgactag ctgggattac            120
aggcgcctgc cgtcatgcct agttaatttt tgtattttta gtagagatgg ggtttcacca            180
tgttggccag gctggtctgg aactcctgac cttgtgatcc gctcaccttg gcctcccaaa            240
gtgctgggat tacaggcgtg agccactgtg cccggccgga tctgatggtt tttccccgtt            300
tgctcggcac ttctctttcc agtcaccatg tgaagaaaga catgtttgct tccccttccg            360
ccatgatttt aagtttcctg aggcctattc cctagccgca ctgaactgtg agtcattaaa            420
cctctttcct ttataaaaaa aa                                                      442

<210> 741
<211> 101
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(101)
<223> n = A,T,C or G

<400> 741
ttacctttt agagcatacg cntcagccat gagtgtaagt tccaagctga attggccaat             60
tctttnagct ttttaccctg gaagaaatac tcataagcca c                                101
```

193

<210> 742
<211> 129
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(129)
<223> n = A,T,C or G

<400> 742
ctgcccctct ttgtagccac ngntcagcct cgcgttaagt ccaagctgaa ttaggccaat   60
tcttttagct tttttacccct ggaanaaaaa ctcataagcc ncctctgtta tttaccccca   120
atctttaca   129

<210> 743
<211> 179
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(179)
<223> n = A,T,C or G

<400> 743
ccccaataag ccctgaagtg tgggcccccnt accctctgta cccagcngcc ttttgagcaa   60
gtnnagcctg gntaagtnca agctgaattg gccaattctt ttggttttttc tctntcctga   120
agcaaaatcc aacacncctg tnttttatcc acttcttcac aagaaaaaat gttgtctct   179

<210> 744
<211> 535
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(535)
<223> n = A,T,C or G

<400> 744
ctctctctct tgcccgatga gaagaangtc cttgcttccc ctttgctttc cgctgtgact   60
gtaagtttcc tgtggcttcc tgntaaaccc caaaaatgat gagatttcac catgttgctc   120
aaggggcacc cactanaagc cacacgtgtt cctgaggaca cagcaacaaa gaaagagcaa   180
agcccctgcc ctcagtgcac ttacagtctg gaagcaatta aacattcctc tggcagcaat   240
atttctggag cattcttatc tangaaaatt gagaatactt gaattttttca agtgagaatc   300
ttttgacagc acancataca gttcgttgaa acggggggcct gttctggaac agttgtatga   360
aggcgatttg aaagatgcgt gcttgtttag ttttgaaata tttgccttta caaatgtgtc   420
tacattctct ttactgaatg taacanaaaa tataaaggaa gcntggaatt agccgtagtt   480
ttcaaatgta aagaanagta ttgtnaaagt cagtgtcact tatttcaagc tggat   535

<210> 745
<211> 512
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(512)
<223> n = A,T,C or G

<400> 745
cccgagggag gcctgatgtg ncgtgaggct gtggtctgca tagtggaang ctccaagaac   60

194

```
ctggtttgga gtctcacctt ctgtgtctac agttaatacc angaagtaag nncagcctgg    120
aattncccctn ctactggaaa actggacntc aatcnttnca tnattatgat ccctaggaaa    180
agagaaacan ntacngctgg agtgcagccg gtgctatctt ggctctctgc aacctctacg    240
ggccaagttc aagtgattnt cctgcctcac cctcctgagt agctgggact acaggcgcgc    300
accaccaccc ccagntaaat ccattcactg cttttcaact gnatttatat ttccattcct    360
tggtttaaa cttactaaat atacccgaac cnnnncnnat gccatnaatn aacgagtggg    420
taaagaaaat gtggtatata tatancatgg aatactactc anccccaaaa anggaccaaa    480
attattggnn ttgcnccac ctggattgga cc                                   512


<210> 746
<211> 558
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(558)
<223> n = A,T,C or G

<400> 746
tcctgcttaa gtagaactga gatactgtac aggacaacct gctttcata ttctctgtga    60
atttcaaaga cgactgggat tttcttcctc ctctaccacc ctgaacagca agaccaatac   120
atcctgtatt tcctcctctt cagcctactt gtgaagacaa ggatgaagac ctccatgatg   180
agccatctcc acttaatgac tgtctcacat tggccggcaa cttgttccag tttgtgtctt   240
ccagattaca ataattccat gtaaagatga tgctggcaca aggctttcaa cccatcccct   300
cttctgaccc agaagataaa gacatcctac ctttgagcct tttagaacag gtatccaggg   360
attttacctc tccagtgcta ggcagggtct atgcccataa catcagcagg aagcagttac   420
agaagatgaa cctccgccct tctgcaagcc ccttaagatt aaggaggagt atataatctc   480
tgatggggaa atgaggnagg agaccaagaa ggacttattt ttcattccca acccccattga   540
acaaaacagg atctggtc                                                  558


<210> 747
<211> 371
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(371)
<223> n = A,T,C or G

<400> 747
gagtctgggg agctcctgca ttaagtagna actgagagcc ggagnnggaa gngcttgcct    60
ttttccctgc taggacccag gggttacnac ccatcagccc ttgcgcgcca ccgtcccttc   120
tctcttcctc ggcgctgcct acggaggtgg cagccatctc cttctcggca tcatggccgc   180
cctcagaccc cttgtgaagc ccaagatcgt caaaaagaga accaagaagt tcatccggca   240
ccagtcagac cgatatgtca aaattaagcg taactggcgg aaacccagag gcattgacaa   300
cagggttcgt agaagattca agggccagat cttgatgccc aacattggtt atggaagcaa   360
caaaaaaaca a                                                         371


<210> 748
<211> 547
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(547)
<223> n = A,T,C or G

<400> 748
acagagtgtt gctcanttac ccaggctgga gtgcaatggc atgatcttgg ctcactgcag    60
cctccacctn ctgggttcaa gcggttctcg tgcctcagta tcccaagtan ctgggattac   120
```

195

```
aggctggagt gcgatggcat gatcttggct cacggnaaac tccncctncc tgggtcaagn    180
gattcttctg cctnagcctc cngagtagcc gggattacag gctgaggaat taccaaggag    240
gcaggangng gagcaaancn caccaancct ggngccaatc attgacaata ttataaccct    300
gcatgagatg gatcagctga caccatccan atnggtaaac tggtcatctg atcttgtgcc    360
ctccacccag gaactgactc ancgcaagaa gacagcttcn actccttgng attttatcct    420
aacaatcaag cacttctggc tcactggctt nncccaccca ccanattgtn cttaaaaact    480
ctgtnttcna acgctngggg agactgattt gaataataat aaaancctgg gcttctgcaa    540
aaaaaaa                                                               547
```

<210> 749
<211> 557
<212> DNA
<213> homo sapiens

<400> 749
```
gatgtatgtt gtgttcacag cgaaggtact cccttcagcc tgtcccagaa aggaggattc     60
caaaccgata cttaggccag cccagcccct ttacacaccc acacctcctc agaccagggg    120
aggtaactcc aggactatct caggtggaat atgcacttcg cagacacaaa ctaatgtctc    180
tgatccagaa ggaagctcaa gggcagagtg ggacagacca gacagtggtt gtgctctcca    240
accctacata ctacatgagc aacgatattc cctatacttt ccaccaagac aacaatttcc    300
tgtacctatg tggattccaa gagcctgata gcattcttgt ccttcagagc ctccctggca    360
aacaattacc atcacacaaa gccatacttt ttgtgcctcg gcgagatccc agtcgagaac    420
tttgggatgg tccgcgatct ggcactgatg gagcaatagc tctaactgga gtagacgaag    480
cctatacgct agaagaattt caacatcttc taccaaaaat gaaagcttga gacgaacatg    540
ggttggtatg actggac                                                   557
```

<210> 750
<211> 125
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(125)
<223> n = A,T,C or G

<400> 750
```
gagaggcaga gcagatgctt cggtgcctgg agcagcaccc acagcctcct ggctgggaag     60
tggcctctgt gtcacccact ggacctcang attcctcaaa ataaagacgg aacgataaat    120
aaaaa                                                                 125
```

<210> 751
<211> 457
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(457)
<223> n = A,T,C or G

<400> 751
```
ggcacatttc ttgatccttt ttaagccaag gggagatgta cttgctttgc ctattgaggc     60
ccttcctacc acccaggctc tgatggctca ggtgccttcc ctatggatgg cctggggaaa    120
tgggcagggc ctcacatgtt accaatgaaa gccagctccc tggtgccacg cgttttactc    180
attgctggat ccctagggcc tagcacagtg cctggaacat gcacgtgcct ctgggcatat    240
tcagtgaatg aatgaacaag ggaatggagg tgggtgaggg tggactgcta gggaaaccgg    300
gaacatatga aggcagcacg aaatcgtgtg tgttggggtg aaaatggacc actggagtct    360
caacttattt gaaatggggg gnaangtcat tcaactagnc agncaaagga tattttggga    420
aacttcttat accaaanaca tttcttgcct taataaa                             457
```

<210> 752
<211> 553
```

<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(553)
<223> n = A,T,C or G

<400> 752
agacgagaag tcttgcctgt tgcccgggtt ggtctccaac tcttgggctc aagacatcct   60
cctgcttcag gctccctcag tgctgagatt tcagcacaca gaggaaaggc catgtgagga   120
cacagcaaga aggcggccat cttgcaagcc aagaagagaa tcctcaccag gaaccaactc   180
tgctgacacc ttgctgttgg acttccagcc tctataaatg ttcacaagca caccactgtt   240
tacacccatc tagaaggccc ctcccagctg acatctttct gcctaccttt caggaagaca   300
gacgaaactc tctgccttca ggtggggcaa gactgctgat ggctggaaca ggagcttggc   360
acctccaccc ttgacccaga cacaagcctg tctgtcccac tcaaatcgag ctggccagag   420
actacaactg ggttgggtnc caaagacata gaaaagccag aananggcgg gcgcagtggc   480
tcacgccttg ncagcacttt tgggaagccc gnggcaggca aatacctaaa gggnaagaag   540
ttaaagaacc atc   553

<210> 753
<211> 163
<212> DNA
<213> homo sapiens

<400> 753
tattcttcat ttgaaaaatg ggaaaaagaa gtaaatatcac gtaccttgac catggtatca   60
gagaatgacc tcagaagttg tgagggaatt ctcagacaaa actttgaaat ataatccagg   120
attcaatcag tataaaggac gctcagcata acccaagaag gtc   163

<210> 754
<211> 435
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 754
ctttctcttt catgcaaggg atcattggga cctnanntgn ncgagtnacn tcgtttnant   60
cactccgcca acatgtcgtn agggagggcn gtgttttcnc ngctaacang tctcattaag   120
ngnanatggg ggctttnacn ccctattnag ctantttnca gtngnggctt tcngtaccca   180
gctacaacag aaganctttc tncacttcca aatgggtttt natcatcaat caccgngnat   240
gaaaactcaa aaccaaatac cnggcttata atcagtattc taatngggca gcnaatggct   300
tttagtgcgc taagaaactt ttaanccccc ctgggattnt tattatttca naaaaattnc   360
angcccccaa ggaacccct tggaaattnc ttgggnaaaa aaccttttt cntttcacaa   420
ggccaccaac ctttc   435

<210> 755
<211> 121
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(121)
<223> n = A,T,C or G

<400> 755
ttctaccttt tgagcntgtt cagnctggtt aagtccaagc tgaattggcc aattntttng   60
tttttaaccc nggaanaant cttnnnaagc cacntttgta ntttacccccc attttcaca   120

197

a

<210> 756
<211> 431
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

<400> 756
ggggctcctg cttaatcaaa ctgaggtatt gntgcagcat atgcctgaac caantgtttt   60
gagcctactt tggggntaaa ggntncnttg nttnatccga tggctcaggc aataaaagga   120
caacgngcaa catacccnng ngtctgtgca gattcttcgg gatttgntga atgaacaccg   180
gtacaatgcc tatcctttca nagcaagnna aaagcgttgc tngcccaacc aacacccct   240
gtctacgctt acagggtctt gnaactggtt tattnaaccc cccgccggaa ggcttccttc   300
cttgacatgc ttgaaaaaan gggatggcca aagaatccaa atcagttcac aattttcccg   360
ccgggggggc caanatttt gnaaaccaac ttttggggag tccgngatgg gcattaaaaa   420
ctttattgcc c   431

<210> 757
<211> 428
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(428)
<223> n = A,T,C or G

<400> 757
ctggacagga ctatgaaagg gaaggaactt ctgagctnan ntagtcttca catctcagcc   60
ttccaagtag ctgtgactag agcttgtgac agtccagccc cttcannctg gagttccacc   120
taccannccc cacatgngcn gnctctnncc naggttgnca gacccctatg accaaccaat   180
ctttggctcc ccatcactgg gctnatnnga ttcaaggtag acgcttaaaa ggcattggtg   240
gatntggagn tacacacaga aacccaagct naaattgngc ttaactggaa agagctggcc   300
gactttacat gcgcatttac aaaaggctgn ggnttgaggc gcccttcaan aacttccaan   360
atgaactacc ttntccttnt gtctggaaaa tgacttggct ggangggtna angtggacct   420
ttgctggc   428

<210> 758
<211> 465
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

<400> 758
gtggggtctt tcactaccaa cttcaaagag gatccaggag tacgggagga acgtgaaagt   60
ggacaaggag cgtgaccttt ggagcacagc accacaggga ggggtttagg cctccggtga   120
ctgcaggcag gcctggataa tatccagcct tccagaagaa gctggtggag cagtgttccc   180
tgactcctcc aaggaaagga gactcccttt cgcggtctgc taagtaatgg gcgtcttccc   240
agacactggc attaccgctt gaccaaggag ccctcaagcg gcccttatgt gggcgtgaca   300
gagggctcac ctcttgcctt ctaggtcact tctcacaatg ncccttnagc acctgaccct   360
ataccccccc gggtattcnt anggnatatt antaatgcac caaagagtaa tattaaaagc   420
taatggatta aataatggtt ataataaaga ttggataatt gctat   465

<210> 759

<211> 322
<212> DNA
<213> homo sapiens

<400> 759
aggcggagc caggtgtacg ggatggaaca tgagagcgga ccaggagcgt gaccgctgca   60
ctgacgcttc cgctagacca cagtctgctc ggcgacgggt gtcttcccag atgctggcat   120
caccgctaga ccaaggagcc ctctggtggc cctgtccggg catgacagaa ggctcacgca   180
cttgccttgt agtcacttgt cactcaccat gtcccttcag ctcctatctc tgtatggcct   240
ggttttcct acgttatgat tgtagagcga ggattattat aatattggaa taaagagtaa   300
ttgctacaaa ctgaaaaaa aa   322

<210> 760
<211> 124
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(124)
<223> n = A,T,C or G

<400> 760
ggccaattgt tttgctttt accctggaag aaatantcnt aagccacntg tgngatgtac   60
cccnnatctt gcnntaaaaa cnggnaccat ccccgnagag agcgacacng tcttcattga   120
catg   124

<210> 761
<211> 342
<212> DNA
<213> homo sapiens

<400> 761
gtacatccac atatttggaa gctgccttca cctaaagagg aaagaagagg atggaagtga   60
ggctggtgtt tatgtttaat tgttcactgc tcaatgctgt atccccatca gaatcaaaac   120
aacatgctgg cacatggagc tgaccaggaa aaacagaaag gtggcaagac aatcaaaatg   180
ctggcaaaag gaaaacaggg tgaatgagag taacttaaga caaagaagac tggacatacg   240
ggccatattt tgaaataaga aaatctgaag aataaaggat atttttcatt ctcttttttag   300
caaactcaat acattggtag cattttcttg tcaaacaaaa aa   342

<210> 762
<211> 158
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(158)
<223> n = A,T,C or G

<400> 762
aaaagtatag taagaagaaa ctgaatttga agtggattct tacnaaggaa aaagaaaatc   60
actattgtaa ctataccaaa ttactatatt atgtggntgc ccncanaatt cacatatgnn   120
cccctccctn ntttgcccgn ccctccggcg cccttcc   158

<210> 763
<211> 188
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(188)

<223> n = A,T,C or G

<400> 763
tctgatcaag aatggcaaga ccattcagnc tttgnacccn gtgacnggtg cttgaacttt   60
agccgngtgt gttttgtgtt tnaacgcgnt aangaagtcg cacactctgg tcatgctgtt   120
ggtgatantc ctggagtacg ntttaaggtt gtcaaaagta gccaatgtgt ctcttttggc   180
cctattcg   188

<210> 764
<211> 607
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(607)
<223> n = A,T,C or G

<400> 764
gtcacatttc aaaggccaga tctttcccag ggcttaagct gttccttgga tacttttgag   60
acggggtctc actgtgtcat ccaggctgga gtgcagtggc acaatcatac ctcactgcag   120
cttcaacctc ctgatctcaa gctatcctcc agcttcagct tcctgagtag ctaggactac   180
agtggagtct ccggccagaa ttaattagaa cagcactttt gtggcttgta catggacact   240
catcttcatt tcttggactc tgagcctcaa tttctcattc aagtggagaa agcatataac   300
aagaatatgg tcctctcgtt tattgattgc tgtactaagt atttgaaact gacactagca   360
gcagggatat tcagcccagg cctgggagca tgatggaaca tcaagtggat tcaaagattt   420
aatttcatta aattccaaga ggagccacag agacagggtt tcggcatgtt ggccaggctg   480
gtctcaaact cctgacctca agtgatccac ccacttcagc ctnccaaagt tctgggacta   540
caggcgtgag ccaccatgcc cagctgagac tncaattctg ctcangatga caatggctca   600
acaacaa   607

<210> 765
<211> 301
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

<400> 765
ggaagttcca aattgcagaa cgatgttcaa ggaagtggga tataccaaga acacagatca   60
cacatccaga gtaagcaatg gacaanaaac agactggctg aagtagagga tttatatatg   120
tcatgagtgt gccacataaa atgaaaacgg acaacggaca nggatattgn agnaaaactt   180
ttgananttt tgttcagcaa tggaaatttg tacacactac aggaataccc tataatttgc   240
aaggtcaggc cacagtagaa agggccattc ggactcttaa gacacaattg gaaaaacaaa   300
a   301

<210> 766
<211> 436
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(436)
<223> n = A,T,C or G

<400> 766
gcaagatccg gcctccttgg caccagtttg catcttgttg ccctcaacta ctacacaaac   60
tcagcctgcc tgcacccaca tgaaataaac agtcttgttg ctcacacaaa gcctgtttag   120
tggtctcttc acacagatgc gtatgacatt tggtgctgaa gaccagggtc agagggactg   180

200

```
cttcaagaga ccagttccct gtcctcaccc tcactctgtg aagagatcca cctacaacct      240
ccggtcctca gaccaaccag cccaaggaac atctcaccaa tttcaaatca gatggattct      300
cgctctgttg cccaggctgg agtccagtgg cgccatctgc aagctccgcc tcctgggttc      360
acgccattct cctgcctcag cctccccagc caaaaaaggg nccccttttg ggggggggaa      420
ccttaaacaa gggggt                                                      436


<210> 767
<211> 202
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(202)
<223> n = A,T,C or G

<400> 767
gggcaatcct tttgcttttt accctggnag aaatactcat aagccacctc tgnnntttac       60
cccctgtgtt cannatgang aanggtnatn tggnaatctg ttgtcacaaa caagatntga      120
actcatgatt nntggtgacg gaaaacanac tctnntatgc tgcntgcctg aaaatgccag      180
tgctgngcct tggaaagaat gt                                               202


<210> 768
<211> 206
<212> DNA
<213> homo sapiens

<400> 768
aagcagaagc tgccagtgct ggtcccagaa gtaacaaccc agatcctgaa ggcatctttc       60
ctggaagttt tcctaaaaga tgatccaaac acctaactaa ctatactgat ttacaacagc      120
accaacaaca tcaacaacaa acctaaggcc cagaggtcag aactattaca aatataatgt      180
cgtatccata aattcctaaa aaaaaa                                           206


<210> 769
<211> 373
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

<400> 769
gagctcctgc attagctcct gcnttaagtc agagctngcc agctgcaacc cagaaaaccc       60
agaggagaag tttcagctct atatgcagat catcaacttt tttaaaggcc ttagctgtgc      120
aaacactcaa gtaaagcagg aagcatcctt tcccgttgat gaagagatga tcatgttgca      180
gtgcacagag acctttgacg atgaagattt gtaatgcaga agaggagctg cgaggggagg      240
gactgaatga ggtgggcagt ttccaaggtt gaatgctggc agctaaggtt gcacctgcct      300
tggcctccag gactctttgg agtgggttgt tccagaagca ttttgatgat tttaggttct      360
gattattatt aag                                                        373


<210> 770
<211> 487
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(487)
<223> n = A,T,C or G

<400> 770
```

201

```
acatggaggt ctcgctatgt tgcccaggct ggtctggaac tcctggcctc aagtgatatg    60
atcctcccat ctcagcctct caaagtgatg ggatttggaa atgttattgg ttcatgcaaa   120
ataccagtaa atcatgactc cactccactc cccaaccctg ccccaatagg ggccttgttg   180
cagtttcagc catctgtaag acaaaaagag cacctgggtt cccagtgctt cctgttcctg   240
ctggagcccc cacagatggt gttcccatgc cttctggcct tgccattcaa tatcagcaac   300
aacagcagga gtgggcagca gtggacgtca tgaaccttgg caggctgcac gcaacatgtg   360
ctccaagaaa ataacacact tcccatgtaa gcacacagtg gacttacatt taatggactg   420
ncatgggcta aatnctgtnc cctgnaccc anttattttg tggaattcta accccaatac   480
ctggaac                                                             487


<210> 771
<211> 471
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G


<400> 771
cccaggaggc cttcgcattc tctcaccact gacccactga ctcatccaga acaactttca    60
gttatggcaa gctccagtct tgaggatggg gcccactgtg ttgctcaggc tgcagtgcag   120
tgcaggagca atcacagcac actgcagcct ccaactcctg gcctcaggtg atcctcctgc   180
ctcagcctcc tgagtagctg ggactacaag cataccacca ccactcccgg cccctcctct   240
gtttttgaaa ggcttggaga tgctggatcc ttcagccagc agtgagcatt cctcatttca   300
aggcaggaat cccccccatt gtgggcaagc tgcctccact tcttccaact cctggcagga   360
aatccttcct gggtccctcc ttcagctcct gtcaagtccc gtttgtgagg actggtcaac   420
cccgaaagnc tgntttttcc ttccctgntt gggggaaggc ctttccaaaa g           471


<210> 772
<211> 263
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(263)
<223> n = A,T,C or G


<400> 772
cctttttgagc atgttcancc ngngtaagaa acaagcggat ttgnaccaaa gtccaccnat    60
caggcnttan nntctccaac aaganaanag cntggctgca tctgcnaaga ggacaatacc   120
aacagtcgnc ttggtntttg gctgcacaaa aggccgangc cccaagcgat tcccccggcc   180
tgtgngaagc ccaattacaa agcttggntg cccccancga ancttggcaa cactnggagn   240
ccaccctgca cttaatatta act                                           263


<210> 773
<211> 447
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G


<400> 773
gttttcaaga gagagggctg gtcataataa tgacagtaaa ggaggcagaa gagaaggagg    60
aatgccttct ggtcctttca gaaccccagg tccagcccag gagacaagct ggtgacatca   120
tcctgctcta caaaaaagga attgttcagc ctccaatgaa acagtgagat ctgccttccc   180
caaagacaag gtctctgcca tcccacgtgt atttcctgat aagatatgag ggggagagcc   240
tcacctaaat gggaaggcca tgtctgatgt ccgtcagcac ttgtgacagg gagaaagacc   300
```

202

```
ttcacgtgag  aatgttctga  gggccatcac  tattcacaaa  cccttattcc  acnttctttt        360
tttcttancc  aatcctggtc  agccattaag  ttaattncat  cttctctgct  ttttccctga        420
ananggataa  nctggagttg  gggcccc                                               447


<210> 774
<211> 445
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(445)
<223> n = A,T,C or G


<400> 774
ttgggaccct  tgaagtttcg  atttatattg  atgaaacctg  aaaccattgt  tcaaagcata         60
aatgaggaaa  gtggttgcaa  caaaaaggat  gaagatgtcc  cacaggaagt  gatcccagca        120
aaaaacttta  cattatagga  acttccagag  gattgctttg  cacggtttta  gcttgcatgg        180
tcatttttac  agccccatac  tgccatgaaa  agtgaggact  gtttgtgtgt  ctaaaatgtt        240
taacagaagt  taaaaaacct  cgtttctcat  cttcctcaaa  agtatgtcat  aaagatcccc        300
gacaagaaca  tcacttaaaa  atccagcagg  ggaaatgngc  caatattcaa  ggttncctgg        360
gctggtnggc  acntttaagt  ttttggactc  ttgaaaatgg  tctctgggac  tntgtcctgg        420
gngagaagaa  agccagcagg  gcccc                                                 445


<210> 775
<211> 446
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(446)
<223> n = A,T,C or G


<400> 775
agacctgtat  tgccttaaca  ctcccaggaa  tgaccacctg  caagcttgcg  ctgctctcca         60
gngctggaat  tacaggcnng  agcctgagng  cncaccnaan  tacccttttt  taaacctgct        120
gtctccggag  ggtgccgaaa  gttggttttn  ttcngncttc  ttntntntnc  caagcccaag        180
gctgggacaa  agnccggntc  ctgcctgcaa  cctgnctgga  aanagnaacc  ttggnagccg        240
ggtnccgaac  ccttgggaac  cgtacaaaat  tcgaattcta  ngggcgggaa  aacgttacca        300
gaaactttnt  ncccaaagcc  ggnttcctgg  gactnttnta  acctcctacc  ggttttttaaa       360
agaaggtttc  cgggtttcgn  ccttcttctt  tgngcttgtt  tccgncttttt tgcctttnga        420
acnccggatt  ttgacgtggg  ggcccc                                               446


<210> 776
<211> 274
<212> DNA
<213> homo sapiens


<400> 776
aaagcctaga  cgctggaaat  agtgccatgc  agcccagact  ccagcacaca  tcagcctcct         60
ggcaaatctc  aatcttcctc  agcatcagtc  tccagaatgg  aaaatgaagt  acaccaaaag        120
ctttgacagc  cctgtatgac  tatcaaagga  agtactgcaa  ataaattgtt  agcaaaatga        180
agaaatgcaa  tagaaatgaa  aatactggga  cttgcctgtt  caactaaact  cctctagagt        240
ttacagtaaa  aatactgata  tcctgaaaaa  aaaa                                      274


<210> 777
<211> 204
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
```

<222> (1)...(204)
<223> n = A,T,C or G

<400> 777
ggaacctcga gtggttggga taagaagcaa gtccagcttt cctgatcatg nggcggaggc   60
caaaatantg ggggaaactc atttttcang gggctccttn tgagcacgaa acaactccng   120
tctttaccct gtannaangg ncnntgngtg gcanntttac cctggaagaa atactcatnn   180
gccacctttg ttatttaccc ccaa   204

<210> 778
<211> 741
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(741)
<223> n = A,T,C or G

<400> 778
acctttagg ttgaatttga ggttttctgg tttcagctgg ttctgcactt aaatttcgga   60
atattctctg cttccttctc ccacctccat ctgcatgtga agaatagtac ccacagataa   120
cccaacagtc atccaactag agggcaagat catccaattc cttgctactc aaagtgtgat   180
cttggaccag cggtatcagc atcatctgga agttcgtgga aaatgcagtt tcatgccata   240
ccccgtgcct gctgaatcag aatctgcatt ttaacaagat ccccagccat ggaacgagga   300
ctggagcccc cagctcagac ctggacactc accacgatcc acccacaggt ttgcagagta   360
cagcgaggca acaaagcact gcatcttctg aatatagcac cagggtgatg tccaggaaac   420
cagaaacaac tctggggaaa acggatttca gctagccctt aatcaaaaag cccacttctg   480
aaaatttggn ctncattttg agactgacaa aacccctttg gantaaccca cttgtcaact   540
tatttatgaa taaaactctg agaaatttgc tctactgcca ggtnccagat cccttcaaaa   600
ttcaaaaaga tggaaaatca gacagngggt gctttaangg gagngggntg tgattttttt   660
ctgggaagga agggaaaaag gaactttttg gagngaaggn aaggttantt tacaaaaact   720
ggggttaggg gggggggatg t   741

<210> 779
<211> 481
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(481)
<223> n = A,T,C or G

<400> 779
aaaaacattt ccctagatag aagctgctcc actattctga agggaagtag aaacgatgaa   60
aagcagagct ggagatgatc catgatggac atatagttta caggtctttg aatcctcagt   120
ctgaagaaag cactgacttc tgttaaattt tgagcattga taccagtcaa agcctcatct   180
tcagacacag gagaaggagg agcattatcc gctgcttgga ccgtgagtgc gtaagtccgc   240
ccgactatca tttccacccc tggagcgatg gtgataagcc ctgttgtttt attgatgatg   300
aagtctccct gagccccaac aaggatttca tatgtgatct ccccatttga ccctttgtct   360
gggtngactg gaagggagct ggaaatggaa aatcacaaca taaatcctct tgggnctcaa   420
cttttcacca ccatgtcgtt ttttcccccca caaagaagc ttgctttcaa gaaaaaaacc   480
c   481

<210> 780
<211> 401
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(401)

<223> n = A,T,C or G

<400> 780
agacagggtc tcgctctgtt gcgcagactg gtgtgcagtg tcatgatctc agcttactgc   60
agcctccgcc tcctggattc aagctattcg cctgcctcag cctccagcac agctgggatt   120
acaagcactt gccaccattc ccagctaatt ttttgtattt ttggtagcaa cgggggtctc   180
accatgttgg ccaggctggt ctcgaactcc tgacttcagg tgatccgccg ccttggcttc   240
ccaaagtgct gggatgacag gcgtgagcca ccgtgcccgg cctaataata actctttcaa   300
ccaattgcca gtcaagaaaa ttttaaaatc taccttatga cctgggaagc cccgcctcac   360
caccagggga gcaggcccan cnttancgat tggaacctgt c   401

<210> 781
<211> 485
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(485)
<223> n = A,T,C or G

<400> 781
gcccacaggc agaagggact tgccttgtct canatgaaac tttggacttg gacttctgag   60
ttaatgctgg aatgagctaa gactttgggg gactgttgaa aaagcatgat tgtgtttttga 120
aatgtgaaga tacgagattt gggagggggcc agggtggaat gatatgattt ggctatgtcc   180
ccactcaaat atcatcttga attgnagntc tcataatccc catatgttgt gggagggacc   240
cagngggagg taattgaatc atgggggtgg ttaccaccat gctgttctca tgatagtgag   300
taagttctca caagatctga tggttttata aggggtttttc tcctttttgct tggcacttct   360
ccttgctgcc gccattcgaa gaacatgttt acttctcctt ccaccatgat tgtaagggtt   420
tctgtggcct ccccaccctg aagactgtga gtcaattaaa cctctttct ttataaatta   480
aaaaa   485

<210> 782
<211> 342
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(342)
<223> n = A,T,C or G

<400> 782
ttggttgcac gaacctgaag atacagaggg ctgactgtat gttcaagtaa ctgggaattc   60
angctgggct ttgtggctcc cacctgtaat cccagcactt tgcgaggctg aggcgggcgg   120
atcacctgaa gtcaggagtt cgagaccagc ctggccaaca tggtgaaacc ccgtctctac   180
taaaaataca aacattagcc gggtgtggtg gtgcacacct gtaatcccag ctacttggga   240
ggctgaggca caagaattgc ttgaacctgg gaggcggagg ttgcagtgag cccagacctc   300
gctgatgcac tccagcctgt gcaacagagc aagactccat ct   342

<210> 783
<211> 416
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

<400> 783
gctggagtgc agtggcacaa tcacgggacc tcctggattc aagcaatact ctcatctcag   60
cctcctgaat agctgggacc atagcacaag ccctgtaaga atgtgagagc gctcaaggat   120

```
gttggctact gggaataaac atttgtgact acaacccaca aaacaatctg cacatggcta      180
atcaagagaa gactgcattt tcctattttt gtttatatca taccagtaga acattgtaca      240
ttaaatctat aatgatgata aactgcccat tgggattttc ttcattcttg taatcaccct      300
taggactcaa aaaaatcccg gngaggtttg cacttttcaa attctgttgg ggggaaatgc      360
tgcaattagg tgctattgaa ccaatctttg aaaattaaaa atgctgtaaa aaaaaa         416


<210> 784
<211> 161
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(161)
<223> n = A,T,C or G


<400> 784
ggctgctgcg gcatggaaag gaaanatgcc accctnattt tgtagncttg gaaaaanaat       60
cacatgccnn tggaangnan ntgccttttg agcangttca acctggttaa gnccaagctg      120
aattggccaa ttnttttgct ttttaccctg gaagaaatac t                         161


<210> 785
<211> 452
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(452)
<223> n = A,T,C or G


<400> 785
aataggccaa gaagttttaa cagcnccttt ncattnaaga gagggacacg tattatgctg       60
gaccttgtat tatttaaagc natgctacaa catnancaan atgctgnagg ntaancaacc      120
acagcnnacn gtgaggngga acccncttgg cgattgttag ccagcaccaa natcnaangc      180
attaggatcc cnggtganca cagacccagc ntgncatctc tgcnaaggtg acattnnatn      240
ctatttgaan aagaanacat ncatattgnt tnnnacgttg ntatttggag ttttctgtca      300
gtagcaggca aacctaattc taactaacat agcctacnac ttactttcac aaatttaaca      360
atctatgcta catcctgnat aattcttacc atcttgatta tttactgaan atgatgaaat      420
ggtcagntat ggcncatgcc ttttattggc ac                                   452


<210> 786
<211> 674
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(674)
<223> n = A,T,C or G


<400> 786
gacccagtgg ttgtactgga gaattttatc cctaagccct gcctgacaat acaacgaaac       60
tgacatcaag gacgagtgaa gaaacaatga accagacagt ctataaccag catggaacac      120
tattgtatgc agacagacat gctgaactat ctggaagtcc actgaaaagc aaaagcacta      180
ggaagccttt ggcatgtatc attgggtatt tagagatcca tcctgcaaag aaacctaatg      240
taattcgatc tacaccaagc ctgcaaaccc caactaccaa gcggatgcta acaactccaa      300
atcacacatc tctgagcatt ctggggaaaa gaaactacag tcatcacaat ggtctggatg      360
aactcacgtg ccgtgtgtca gactgagctt tccctgattc attctacaat ccaagacttg      420
ctgactgcct gctgatgttc acagccgtgc ctgggaagaa ggcacccccac tcccagtaca      480
tttcaagtgg gagacctctg cgtgcatcca tggagacgca atggggcggg gaangactgt      540
gggagtnacg ttccaaatcc tgtgtcttca cgtgtggatc ancagcacct cgctttcctg      600
tcaaanaccc tgttgttacg gagcgagacc tgctgagaat tgangggctg aggaacccct      660
```

206

```
cactcttcct tttg                                                              674

<210> 787
<211> 166
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(166)
<223> n = A,T,C or G

<400> 787
ttctacaatc caaagactnn ctgcactccc tttngagnan gttcaagcct ggttaagtcc            60
aagctggaat tgggccaant ctttcgcntt tttaccctgg naagaaatac tcataancca          120
cctctnttat ttacccccaa tccttccaag aaaaaaactg gtgatt                         166

<210> 788
<211> 163
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(163)
<223> n = A,T,C or G

<400> 788
gttcagcctg ggttaaagtc caagctngaa ttggccaatt cttttgcntt ttaccctgga           60
agaaatactc ataagccact ctgntaattt cccccccaaat ctttncaaag aaaaactggt        120
agatttnntg cctatgncct ttttnattct tgaaaaatgc tcc                            163

<210> 789
<211> 133
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(133)
<223> n = A,T,C or G

<400> 789
atccttttgg agcattgttc atgcctgggt aagnccaaag ctgantnggc caattctttt           60
gctttttacc ctggaaagaa atactcataa ngccnccttt gntatttacc cccaatcttc         120
caagaaaaaa tgg                                                              133

<210> 790
<211> 276
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(276)
<223> n = A,T,C or G

<400> 790
ctttccagag acgaatcttg ttgcccaacc cccgccgnng gaccgaatca nnccntnngn           60
gcangttcag cctggttaag tccaagctga attggccaat tcttttgctt tttaccctgg         120
aagaaatact cataagccan ctctngttat tancccnaan cnttanctga naaaangtnt         180
gaattntgag gttcctttc atctacttat tangagacnn ttgngnctta ancggcctca         240
tcttgctgga atggaaatac caataattag tagctg                                   276
```

<210> 791
<211> 203
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(203)
<223> n = A,T,C or G

<400> 791
```
aggaaccaca ccttttgagc aagntcagcc tgggtaagtc caagctgaaa nggccaancn       60
tttnncnttt tacccctggg aagaaatact catnagcncn ctttggtntt tanccccaan      120
nttctcgaga aaaacaggcc caaccaatga ttgaggggc actgtcaagc attccaaaag      180
tctgggcnct aagggaaaga ctt                                             203
```

<210> 792
<211> 149
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(149)
<223> n = A,T,C or G

<400> 792
```
atccctttct ggaggcatag nttcangccc ctgggtttaa agtccaaagc tagaaattgg       60
ccaattcctt ttgcntttta ccctgggaag aaatactcat aagccacctc tgttntttac      120
ccccaatctt cacaaagaaa aactgtatt                                       149
```

<210> 793
<211> 533
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(533)
<223> n = A,T,C or G

<400> 793
```
gggtaacgtg aacagggagn ctggggaggc ntatttgtga gaagccaaat ctgagtgctg       60
tcacatttca tcctgtctgc tgactaatat ccacgtttgg gagggaagtt ctccgaatgt      120
cttgcttctt ttttcatcct caaccgtgac tgtgttaccc cgctctgacc gtggcataac      180
atcctgacat gagaagtact tcagctcttc agggtattca tattgcagaa agttttgagt      240
ttaaacaact gtggaaagna tattattgct antttggtg aattattatt ttatttttaa      300
aaacaggttc ttgctctgtc acccaagctg gaagtgcaag tggcacaatc ataacttcac      360
tggtnacttg aactnctggg cccgaatgat cctnccanct caaccctttg agtaactaag      420
gactatgggt ccccaccacc ttgcccccct naattttttt tgtttggggg aaaaggggtt      480
taactancct ggccaaaatg gattttaaaa ctcctgggct taaagggacc ctt            533
```

<210> 794
<211> 424
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(424)
<223> n = A,T,C or G

<400> 794

208

```
atatcccctg tgatctgcnc ctacacatcc agatggcctg aacccgcctg cacccgggtg    60
aaataaacag ccttgctgtt cacacaaatc ctgtttggtg gtctcttcac acggacgctt   120
gatgcatttg gtgctgaana cccaggtcag agggactcct tcgggagacc aagtcccctg   180
tcctcgccct cattccgtga ggagatccac ctactacctc aggnctcaaa ccaaccaacc   240
caaggaacat tttaccagtt ttcaatcgga caggaatggc aggctcttga acccaaacta   300
aaccattata ttccctgnga cctggatgta tacattcaaa tggcctggaa ncactggaaa   360
tccncaaaan aagggaaaat agccttaact ggagaaaatt ccnccttggg aattggtttt   420
ggcg                                                                424

<210> 795
<211> 462
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = A,T,C or G

<400> 795
aattttctag gcaacagaac cttgtggata tgaattttaa gcagacactt aaaagatcac    60
cttgccaggc tccacaattg gccttcggat atgctaacaa cccctaagaa gaatacaatt   120
tattgcataa attctgatac tgtgaacagt caagatgaaa gtacttagat gggttagtaa   180
tgnatgttac taacacctca gtatatgcaa aatccatatc tgttttttaa aagaggatcc   240
accgggagaa gaacccaaag aatgncttgn gagacttcat ctgctaatat ttataaagca   300
tctnaaactt cttcagtgaa aggngacaat ctgtaagcac cttgaactgc cattgacaac   360
tgacatttat tgagcatgga cttcggatca gaccgtgtac caggctgtgt gcccttacct   420
atggcagtca gctgccacct gctcagatgg atggacacca gc                     462

<210> 796
<211> 415
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(415)
<223> n = A,T,C or G

<400> 796
agtgcaatgg cgtgatctcg gntcactgca agctccgcct ccccggttca cgccattctc    60
ttgcctcagc ctcctgagta gctgggacta caggtgcccg ccaccacacc cggctaattt   120
ttttgtattt ttagtagaga cggggtttca ccgtgttagc caggatggnc ttgatttttc   180
gacttcatga tccgcctgcc tcggctccca aagtgctggg attacaggcg tgagccacca   240
tgcccggcca agcactttct tgaacacaga ggtgaccatg aggagggagg cgtgaaccan   300
gatgacnggg caacagatgg agcctgcctt ccttgagaac ttaaggtgan cgaagtgctt   360
ggactggctt cttctgccta ctaactgaaa aaaaaacttn ttttttcaaaa aaaaa       415

<210> 797
<211> 543
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(543)
<223> n = A,T,C or G

<400> 797
tacaactgag cctgcctgca cccaggtgaa atatacatgc cttgttgctc acacaaagcc    60
tgttggtgga ctctcttcac acggacccgc gtgacatttg gtgccgaaga cccgggcagg   120
aggactcctt cgggagaccg gtcccctgtc ctcgccctca ctccctaggg agatccacct   180
acaacctcag gtcctcagcc caaccagccc aaggaacatc tcaccaattt caaatctgac   240
```

209

```
tcagcctgcc tgcatccagg tgaaataaac agccttgttg ctcacacaaa agcctgttgg      300
tggactctct tcacacagac ttgcgtgaca gnggggacaa ctcaaagcag ggaggggggct     360
ttcaggncac aaaaaaggga gtcttactgg ttgggccaag ctaanctcaa acttctgggc      420
ttaatncatt cttcttgctt aanccttcca aagnggtgaa attacaggng ngaaaaactt      480
gggcccnctn ccctgggact ttattttcat tntttgggcn caaaaanctc atttgtaaaa      540
aaa                                                                    543


<210> 798
<211> 377
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(377)
<223> n = A,T,C or G

<400> 798
aaggggagct ggggctctgt ctgcacggna gctgcctntc cactccgaca gcagaagcag      60
gcagaatctc gctctgttgc ccaaggctag agtggtgatg ctgcaatctt aagctcactg      120
caaccttnca cctcccagtt caagcgattc tcggcctcag cctaccgagt aagctgggat      180
tacagccata caccaccacg cctggctaat ttttgtattt ttaagtaaac accggggttt      240
tttcatgttg ggcangctgg tctcgaactt ctgggctcaa gtgatctgnt taacttaact     300
ttcttaaagn gntnggaata ccnggcttaa ncccttgggc ccanccnaaa naaccttttt      360
ttaaagttaa aaaaaaa                                                     377


<210> 799
<211> 483
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(483)
<223> n = A,T,C or G

<400> 799
ggaggatcac ctgagcccag gaggtcaagg cttcagtgag ctgcgatctc actgtcaggc      60
ctctgagccc aagctaagcc atggcatccc cggtgacttg cacgtatacg cccagatggc      120
ctgaagtaac tgaagaatca caaaagaagt gaaaatgccc tgccccgcct taactgatga      180
cattccacca caaaagaagt gaaaatggcc ggtccttgcc ttaactgatg acattgtctt      240
gtgaaattcc ttctcctggc tcaaaaagct cctccactga gcaccttgtg accccccant     300
cctgcccgcc agaaaacaac tttgtaattt tnctttgnaa tccctttgna attttnctttt     360
tacctancca aatcctataa aangggccca cccttacctt cctttggntg actntttttt      420
tggaatnaag cccgcctggc ccccangngg atnaaaagct ttactggttc ccccaaaaaa      480
aaa                                                                    483


<210> 800
<211> 145
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(145)
<223> n = A,T,C or G

<400> 800
accccttttg gagccaaagt tcaagcnctg ggttaaggtc ccaaagctgg aaattggggc      60
caaattcttt tgctttttac cctgggaaga aaatactcat aaagcccacc tcttgttatt      120
ttaacccccc aaatctttca caaag                                            145


<210> 801
```

<211> 120
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(120)
<223> n = A,T,C or G

<400> 801
acccagattc aaatttagaa atacatttgg ccaggtgcna nngcttacag cctgtcntac   60
nancacttnn ggaggctcct tntgagcatg ttcagcctgg ttaagtccaa gctgaattgg   120

<210> 802
<211> 450
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

<400> 802
atggagtctc actgtagtcc agatggagtg caatggcgtg atctcggctc actgcaagct   60
ccgcctcccc ggttcacgcc attctcttgc ctcagcctcc tgagtagctg ggactacagg   120
tgcccgccac cacacccggc taattttttt gtatttttag tagagacggg gtttcaccgt   180
gttagccagg atggtcttga tttttcgact tcatgatccg cctgcctcgg cctcccaaag   240
tgctgggatt acaggcgtga gccaccatgc ccggccaagc acttccttga acacagaggt   300
gaccatgagg agggaggcgt gaaccaggat gacggggcag cagatggagc ctgcctccct   360
tgagaactca agggaaccga gngntngaa tggcttcctc cngcctaaat agntgaaaaa   420
naaacttntt tttcaaaccc caaaaaaaaa   450

<210> 803
<211> 570
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(570)
<223> n = A,T,C or G

<400> 803
atctttgaga accaccaccc cagcctttac ccttaacatt ccatccgagg caaaccacac   60
tgagcagccg cctgcaggcc tgggggcaag gctacaggaa gcaggtgttt ccatccctcc   120
caggcgaggc cgcccaacac caacactgga gaagaagaaa aaacctcatt tgatggngga   180
agatgaacct tcaggggccc tcttgaagcc gctggttttt cgcgttgacg agaccacccc   240
ggctgtggtg caaagtgtcc tcctggagag ggggtggaat aagtttgata agcaggagca   300
gaacgcggag gactggaacc tgtactggag gacatcctct ttccgaatga ccgaacgcaa   360
cagtgttaaa ccgtggcagc agctaaacca ccaccctgga accaccaagc ttaccaggaa   420
agactgtttg gccaaacacc tgaagcacat gaggaggatg tatggcactt tccttgtacc   480
aattcatccc cctgacgttc gtcatgccca atgactatac caaagttcgt ggnttgaata   540
cttttcagga aaagcagatg ctgggcaccc   570

<210> 804
<211> 111
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(111)

211

<223> n = A,T,C or G

<400> 804
cccgccttgg aacccttttg tttggattta acnaggntga nttngttaaa anggggggga   60
ctncccaagg acctgnnagt actcatggaa aagganttcc ctggattttt g   111

<210> 805
<211> 152
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(152)
<223> n = A,T,C or G

<400> 805
caagagccac ttccttatct atgccttgna cgangctgtt gnacctggct ctgccttttg   60
agcgagttca gnctggttaa gtccaagctn aattggccaa ttcttttgct ttttaccctg   120
gaaaanatac tcataagcac ctttggtatt tt   152

<210> 806
<211> 420
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(420)
<223> n = A,T,C or G

<400> 806
gttcaagcaa ttctcctgcc tcggcctccc gagtaagctg ggactacagg cacacgccac   60
catgcccagc aggcagacgt ccagggacat gcggccggaa gaaccggatt tcagcccggc   120
tgagtcacca cagcagccgc cttgtgatgg atgtagcccg caggcggatc cagccgcctc   180
gaaacagggc ctcaagggat tggataaggc ctacccacat tgntgagggt ggatcttgtt   240
actcagccta ctaatgcaaa tgcttatctc ttctggaaac atcctcacag atacacccag   300
aaattatgtt taaccagcta tctgggcatc ccttggtcca gccaagttga cacatgaaat   360
taccgatcac aaacactttg ttgcttcatt gcttatcaaa taaaagcaac tcttctattg   420

<210> 807
<211> 440
<212> DNA
<213> homo sapiens

<400> 807
atgcacaacc caaccttgaa gtacagcaga actaacattc ccaggggcaa ccttcaaccg   60
atttaagcaa aagagggtgg gaggtgttga taaatgtaca agggtccca gcccttagga   120
agattctgac atatattcca caatttcata tagtttctta cagtgtcctg ggtgggacaa   180
gccgagttgt ccatatggtg actcattaat gacctctttg tgccgttcct cacacaactg   240
gctttccccc ttctgtgatt cactatttct gcacttgtgt ttcctgggat gatttcccaa   300
ataaagtggt agcttcaata agtgctcttc cctccataca cacctagtga tgtttactgt   360
gaaacatgtg acaatgatat ataacatggc aaaatggacc ttatagaatt aaggttatgg   420
accttaaaat ttaagacata   440

<210> 808
<211> 242
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(242)

212

<223> n = A,T,C or G

<400> 808
```
cttgatggat cagctgacac cacccagacc antntctggc tcaaccngtt ctgccatccc       60
acccaggaac agaaaacagc aagaaaaact cacttcgacc ctctatgact ccatctccaa      120
cttgaccaaa tcagcactcc ccacttncca agcccctacc cgccaaatta tcttaaaaac      180
tctgatcccc aaatgttcgg ggagacaaag gttgagtnat aataagaatt ccagtctcct      240
gc                                                                     242
```

<210> 809
<211> 315
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(315)
<223> n = A,T,C or G

<400> 809
```
aactgacata atattganat gaaccaggca tggagaccaa gctgcaaaat tccagaaatg       60
acctccaggt tgttagtcta caacccagcc atcgtnaaga taacattaga ctgcgttnca      120
ggtggaccat gactcaagat agccaccana ccaaggcacg gacacctagc acccagcacc      180
actcctgcat gcctcccact ctaagttccn ctttataaac acctctccac agtcgaaagt      240
tngaaatcnt cttttaaggg catgagcttg gccattccca gatnttggca tttgaataaa      300
ggaacttttt tgtta                                                       315
```

<210> 810
<211> 434
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(434)
<223> n = A,T,C or G

<400> 810
```
aattggacaa ctattcncac naagaagcnc ctttcnaaga accaaaaatc agggtgccag       60
anagaaaggc atctcttctg ntcaactgga gacaaatgca gattcattgn agccagacta      120
aggcataagt gactattcct ctatgttccc caacatgtaa attggtggat tcaagtgaaa      180
ggctgattga agagtcagaa agaatgnaac ttttttgtct cttatctacc tgggaccccc      240
ccntatntta actnggaact ggccccttcc cgccccccc aatcctgccc tgttttgagt      300
tgncctgcct ttctggacca aatcaatgca catcttacac atattggatg gtgnctcata      360
tctncctaaa atgnggaaaa ggtgagctgg acccctgacc acctttgagc acatggttgg      420
ccaggacaca agct                                                        434
```

<210> 811
<211> 404
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

<400> 811
```
acaggtcaaa cgcagaactt taaagacgcg ttttcaggaa gagattcaag tattacgccg       60
gttcntcacn ncattgcnta ttanctgaac tgangtgcca tatcgctgga tggttctacc      120
tccaccttttn gttacttgaa gaaggagaac tncctgaaaa ccaggctgac actttgaaag      180
ttatgaatgc cagggtggtn nccattncng gggatcttgg gtggattacn ggacnnntta      240
atccctctgt acatannggg anagacaaat tacaggctgn cnataggtat ctatatgtgn      300
```

```
gtgacncacc ttaccgccct tnccngccgg agcccaccct acngncgctc tnttcatctc    360
tntgccttat ttgagaggag ggctgggtgt gtgtacaaac taat                     404
```

<210> 812
<211> 429
<212> DNA
<213> homo sapiens

<400> 812
```
gttcaagcaa ttctcctgcc tcggcctccc gagtagctgg gactacaggc acacgccacc    60
atgcccagca ggcagacgtc cagggacatg cggccggaag aaccggattt cagcccggct   120
gagtcaccac agcagccgcc ttgtgatgga tgtagcccgc aggcggatcc agccgcctcg   180
aaacagggcc tcaagggatt ggataaggcc tacccacatt gctgagggtg gatcttgtta   240
ctcagcctac taatgcaaat gcttatctct tctggaaaca tcctcacaga tacacccaga   300
aattatgttt aaaccagttt tttgggcatc ccttggtcca gccaagttga cacatgaaat   360
taccgatcac aaacactttg ttgcttcatt gcttatcaaa taaagcaact cttctattgt   420
caaaaaaaa                                                           429
```

<210> 813
<211> 183
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(183)
<223> n = A,T,C or G

<400> 813
```
tagggatgga aatccgagac ngcaacctgg ttgngtgaaa ggttcanana ttggncttga    60
agaaaaactt gcatacgaaa ttnctgnnta aatattancn actgaaattn ttggcttaac   120
catttcagaa caatcccgcc cngatggnca agtgaagtta ncctggatgg ttaaagcccc   180
aaa                                                                 183
```

<210> 814
<211> 459
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G

<400> 814
```
ttatgttgac atttgagaaa agcaccataa aataaacagc cctgttgaga taaacacacg    60
ctgtcttctg gaatgttaaa ctgttggcaa ggataactta aagttgacca taaaacagcc   120
tcaggcgggt acttcagaag gtattccaga agaaggcatt gagctatcac aggaaatgat   180
agcttcgtgt gtcattgccc ctgaagacct tccagtggac aagacgtgga ggaggaagat   240
agtgacatta atgattctga ccttgtgcgg gactaggcta atgtgtttgt gtcttggttt   300
ttaacaaaaa agttttaaaa ataagtatac aagattaaaa catttaaaaa ataggaaaaa   360
aagcttatag aataaggata taaaggaaaa tatttttgta tagctgtgta attgtttgtt   420
ttaagctgng ttattacaaa agaatcaaaa agtttaaaa                          459
```

<210> 815
<211> 316
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(316)
<223> n = A,T,C or G

<400> 815
```
agacagaaaa ggggagaaaa ngacgaagaa aagggagagg aaaaggtgaa ncgaaaagaa      60
gagantgaat tgcngctgag gaagtggaag agcgagangc gctngcanat accatactta     120
anagnnggac ttttgnntgc gctncaacag gaaaatcatg ttatagatgg aggagaaggt     180
ccaagnttca cactgattag gccagaactt ccnntatccn gnggctatga acacnntgan     240
ttttnaacac nnctatctan tactcatntg tanccatcnc gctacataac taaaactttt     300
agtaatgact gtttgg                                                     316
```

<210> 816
<211> 418
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(418)
<223> n = A,T,C or G

<400> 816
```
gttcaagcaa ttctcctgcc tnggtctana ccaagctgca aaattccaga nangacctcc      60
nggcnngnag gctaaccnnc cagggacatg cggccggaag aaccggattt cagcccggct     120
gagtcaccac agcagccgcc ttgtgatgga tgtagcccgc aggcggatcc agccgcctcg     180
aaacagggcc tcaagggatt ggataaggcc tacccacatt gctgagggtg gatcttgtta     240
ctcaacctac taatgcaaat gcttatctct tctggaaaca tcctcacaga tacacccaaa     300
aantatgttt aaccagctat ctgggcatcc cttggtccag ccaagttgac acatgaaatt     360
accgatcaca aacactttgt tgcttcattg cttatcaaat aaagcaactc ttctattg       418
```

<210> 817
<211> 431
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

<400> 817
```
gttcaagcaa ttctcctgcc tcggcctccc gagtagctgg gactacaggc acacgccacc      60
atgcccagca ggcagacgtc cagggacatg cggccggaag aaccggattt cagcccggct     120
gagtcaccac agcagccgcc ttgtgatgga tgtagcccgc aggcggatcc agccgcctcg     180
aaacagggcc tcaagggatt ggataaggcc tacccacatt gctgagggtg gatcttgtta     240
ctcagcctac taatgcaaat gcttatctct tctggaaaca tcctcacaga tacacccaga     300
aattatgttt aaaccanctn ttttnggcnt ccnttggtcc agccaagttg acacatgaaa     360
ttaccgatca caaacacttt gttgcttcat tgcttatcaa ataaagcaac tcttctattg     420
tcaaaaaaaa a                                                          431
```

<210> 818
<211> 126
<212> DNA
<213> homo sapiens

<400> 818
```
taataaagca cacgcggccc gtataactct cgccctctct tggtctctct gagttttctg      60
tagctttttt ctgttttctt ctcccagagt cacttctccg acatcgatga ccaggtctgg     120
gtaaga                                                                126
```

<210> 819
<211> 327
<212> DNA
<213> homo sapiens

<220>

215

<221> misc_feature
<222> (1)...(327)
<223> n = A,T,C or G

<400> 819
gaacaagctg acattttata aaggaagcac agntgactct ttggacaaca cgggatttga   60
actngcacng ggtccactta cacatgggat tttcttccgc ctctgacagc aagacaaact   120
cctccttttc cgcctccttc acctcagcct attcaatggt aagatgatga ggatgaagac   180
ctttatgata aagaatagag caactggaca tcagcaaaaa ggtgaatctt caccaaaaac   240
tcccacctta tacaaaaaat taactcaaac tggaccacag acttaacgta aaacataaga   300
ctataaactt tcagataaaa acagaaa   327

<210> 820
<211> 269
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(269)
<223> n = A,T,C or G

<400> 820
gctcaccccg catcaaggtt gctaagctgc tgtgatggaa tcctggagct gctgaaggac   60
acctcatctc tttgtgggaa gcatctgctt gaggattaag ggaatgcaca aaaaaagtgg   120
agnagagaga tggaggaaga tgactttcga ggacattgtg ngagcacctg gatctaactg   180
tgcctgaagc anaactcaaa ccctggactc tcaatgtatt ggctctcagn tccaagaccc   240
aatanattcc ttcttagctt aaaaaaaaa   269

<210> 821
<211> 252
<212> DNA
<213> homo sapiens

<400> 821
ttcctaactc ccacagcccc agagtcctgc cctatgccct aggggcagga atgctgatgt   60
catgaagctt ccactaaaaa ccccagagga ctgggttctg agagcttccc tatggctgaa   120
cacacggagg ttcctgaagc ttgtgcatcc ctctccccat acctcgccct acacatctgt   180
tcatctgtat cctttgtaat attctttata ataaaccagt aaatgtttaa aaaatacagt   240
tatgaaaaaa aa   252

<210> 822
<211> 371
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(371)
<223> n = A,T,C or G

<400> 822
gaagagacat ctgtgaggaa gaggaagaag aggtgttgaa gganncncnt tctggannna   60
ccnctttctg nggaagaacc atgtgccagc acagcaattg ctggtcacat gaatgggacc   120
accaagataa attccnnnga gaacgaggnt taccncntng gaantnctat tatatcaccc   180
ggacacacat natgcttaag attccactgg gagcnttccc cggatgccct cttaccgtaa   240
tcaaagggga gggtcagttn caccaagggg anttattatc ttttactttc aacctttttg   300
gcttggnctc cccctttgtt anccttttgg natcnttnnt taaagccttt ggntttccca   360
ataaaaattt c   371

<210> 823
<211> 173
<212> DNA

216

```
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(173)
<223> n = A,T,C or G

<400> 823
cccttaatgg aatccacctg tttcancccc ancagaatcc anttgccaaa ggatgagtgg      60
accagttgct aagtgggggc tcaaanaagc accgncttcc ccaccccttg nctggcattc     120
tgactntttt taaaacgccc taanttaaag ggcttgaaag cttgaaaaaa aaa            173

<210> 824
<211> 506
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(506)
<223> n = A,T,C or G

<400> 824
tttacaagac taagccctga attctttatg gagcgagatc caagaacccc gtcttggcgt      60
ctggatccgg accccttttcc tgtaacactt ggaggaggga tgattctgat tttcagaaga    120
caaggcttgg gatagagcgg gatgctcact ggagtcttcc cagacagagc tacaggacag    180
ctcanattcc gctgccggct gcccccgtcc aaatcctcag tgcctcagtt tacccatatc    240
tgtgacggtt aatactgaat gtcaacttga ttggattgaa ggatacaaag tattgatcct    300
gggtgtgtct gngagggtgt tgccaaagga gattaacatt tgggtcaagt ggactgggaa    360
ggggcggacc ccccttaatt tgggtgggca ccatctaatc aactggcgnt gnggctanaa    420
tataagcagg cangaaaaat gggaaaagag acctgggcta ancttntggg ctacatcttt    480
cttccatggg gggtgcttgg acatca                                          506

<210> 825
<211> 518
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(518)
<223> n = A,T,C or G

<400> 825
agactcacgt tgcgacatgt taacagtaac caatgtctcg atgaaccttc tgaagaagac      60
aaaatggtgc ctacaatgcc ggactgtagt ggaagcagat cccaacagtg gctgctaagg    120
aacatgacct tgggcacatg aagatcatgt cctccaagcc atgaaagtgt ctacgctttt    180
gtttttccat tatttcaatt gggggaaaat attaactttg ctgaattgaa agttttaaaa    240
atccttttag tattctaaaa cacaattgtt tctaattcgt ttctagaaat gtttgcttat    300
ttccctacta aaatttgtat ctgatcaaag cacataagaa tataaataat agcaaactac    360
tattaaacaa cagaacaact tgtaaaacaa attgtgtttg ctttaagaaa aatctttatt    420
gcactcatgt catagggnta atttgagggt atttttatttt cgggtggcat ggggantgaa    480
agagaaaatg gaaatgcctt ataaaatctt cttatgaa                             518

<210> 826
<211> 339
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(339)
<223> n = A,T,C or G
```

217

<400> 826
```
aggctgggag tggcagtgnc agcaatctag gctcactggc aagtccgtt  tcccgggttc    60
acggccattc tcctgcctca gcctccgcag tacctgggac tacaggcgcc tgccgccatc   120
ttatgtccgg aattggtaga ttcttgctct cactgacctc aagaatgaag ccgcagaccc   180
tcctgagatg ggagtcttgc tatgttacct agcctgaagt tcagtggcta ttcataggca   240
tgatcacagt gcactacaag cctcaaacgc ctgtgctcag caatcctcct gcctcagcct   300
cctgagtagc tgaaactact gngtgcccca cacccacc                           339
```

<210> 827
<211> 346
<212> DNA
<213> homo sapiens

<400> 827
```
gtcttacctt ggcctttcct tcctggctca aaacctgtgg gttcacctca caggtgagca    60
acctccagct tgacctcaag tccttctttt acaatacgtt ctcaaggaga cagaagccaa   120
gagtctgggc cctgcctctt ccttagctcc gaccccaggc tcacaaagga attggagcaa   180
agaatttgcc aagtcactca gggtgtcagg cctctgagcc caagctaagc catcatatcc   240
tctgtgacca gatggcctga agcaactgaa gatccacaaa ataagtgaaa atagcctgaa   300
ctgatggcat tccaccattg tgatttgttc ctgccccacc ctaact                  346
```

<210> 828
<211> 362
<212> DNA
<213> homo sapiens

<400> 828
```
gcacaagcag caggtccagc acattcatgg gaccaacctc tccgccagat cctcccctga    60
gtccagagtc acccaaagca tcctggtcct ggttaagcac cacgatgggc agtcaattgc   120
agtgtatata agactcagaa tccgtctttg cccttcaagg atttttcacg tatcataaac   180
aacagttaca gatgaaatgt ttttgcaaag tgctttcata attttcattt tgtttgtaat   240
ttcataattt tcattttgtt aatgttgcaa tggagaagtt aaagaggcaa attattaatt   300
aaaaatgggc ctctaataag ttggaacaat gccacttta  acccatttat taaaaaaggc   360
at                                                                 362
```

<210> 829
<211> 349
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(349)
<223> n = A,T,C or G

<400> 829
```
gcatctccca gggggagacc tgtcacactg cctcattgca gtggcctcag gggctagaga    60
ttgagacccc acctgctgtg atgaataaac ccggactctc agcaacatgg gtagaaaaga   120
cttgcctaca aacaccgcag caagcaggta actttgtaca cagaccaaga ccctgcactc   180
catggatcat ctgacaccac ccagattggt aatctggctc aaccagttct gccatcccac   240
ccaagagaag aagacagcaa gaaaaactca ttttgactcc cctatgattc catctccaac   300
ctgaccagtc agcccttcct gnttcccaag gcccttaccc accaaatta             349
```

<210> 830
<211> 301
<212> DNA
<213> homo sapiens

<400> 830
```
gctggagtac aatggcgcga tctcggctta ctgcaacctc cacctcccag gttcgagtga    60
ttctcctgcc tcagcttcct gagtagctgc aattacaggc atgtaccacc acgtcgggca   120
tttctttatc agcagcatga agatgaacta atacatgagg ctatggctgt aacctcataa   180
tatgaatatg aatatgaagg gtctggattg ggacaatgtt cattcatcca ttgatcattc   240
```

218

```
agcaaatact tgttgtagag agtatggtaa gcaataaaaa tttacagtct accaaaaaaa        300
a                                                                        301


<210> 831
<211> 445
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(445)
<223> n = A,T,C or G


<400> 831
tgagaatcaa gaaaacaatt caataagaat ccattttcct tggtaacagg acacaattga         60
aaacactggt tatttaacca aagcttcatc tgaaatggca tattttacgg atatgacgag        120
actgctttga ggaatttaag tggaccttat aaagttgata aagagcccct tagaaagact        180
ggcctagtac ctcatctact tggttcccta ggagcctagg aacctcaaga tatttgggga        240
cctcaagaag agagaaattc actcaattta tgcacatatt acaggcatag tctaatggtg        300
aatcattggc tttggtttcc ccgtcttaaa angctttan aagtccgaat ttgagattct        360
ttatgaaaac attccagcaa aggcaactta aaagaccCta tatgaccatt cattattctt        420
ggttatgcca ataatcaggc ccagt                                             445


<210> 832
<211> 320
<212> DNA
<213> homo sapiens


<400> 832
ggactaatat tgagatgaac caggcatgga gaccaagctg caaaattcca gaaatgactt         60
ccaggttgtt agtctacaac ccagccatcg tcaagataac attagactgc gttccaggtg        120
gaccatgact caagatagcc accagaccaa ggcacggaca cctagcaccc agcaccactc        180
ctgcatgcct cccactctaa gttccccttt ataaacacct ctccacagtc gaaagtttga        240
aatcgtcttt taagggcatg agcttggcca ttcccagatc ttggcatttg aataaagtag        300
ctctctgttc atcacaaaaa                                                   320


<210> 833
<211> 285
<212> DNA
<213> homo sapiens


<400> 833
aaaagtatag taagaagaaa ctgaatttga agtggattct tacaaaggaa aaagaaaatc         60
actattatta tgtgatgcaa caaaattcaa atatgaaaac catcttggag gccgggcgcg        120
gtggctcatg ccttttaatcc cagcactttg ggaggccgag gcacggtgcc tcacacctgt        180
aatcccagca ctttaagagg ctgaggcggg cggatcacct gaggtcgaga gttcgagacc        240
agcctggcca acatgaagaa actccatccc tactaaaaat acaaa                       285


<210> 834
<211> 381
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G


<400> 834
aatcaagaaa acaattcaat aagaatccat tttccttggt aacaggacac aattgaaaac         60
actggttatt taaccaaagc ttcatctgaa atggcatatt ttacggatat gacgagactg        120
ctttgaggaa tttaagtgga ccttataaag ttgataaaga gccccttaga aagactggcc        180
tagtacctca tctacttggt tcccttagga gcctaggaac ctcaagatat ttggggacct        240
```

219

```
caagaagaga gaaattcact caatttatgc acatattaca ggcatagtct aatggtgaat       300
cattggcttg gtttccccgt cttaaaaggn ttttaaaaag tcnaatttgg anattcttta       360
tgaaaacatt ccagcaaggg c                                                 381


<210> 835
<211> 329
<212> DNA
<213> homo sapiens

<400> 835
ataaacactg aactccaatt atttggaaga cactgttcaa gaaaccacag agttgcagag        60
atgagtgttg aaggagagac ctagtgggag gtgaatggat catggagaca gtttcccca       120
tgctgttctc aggataatga gtgagttctc atgagatctg atgcttttat aagtgtttga       180
cagctcctcc ttcacctgct cacactctct tctgccacct tgtgaagaag gtgcctgctt       240
tcccttccac catgatcgta agtttcctga ggcctcccca gacatgtgga accatgagtc       300
aattaaacct ctttctttat gaaaaaaaa                                         329


<210> 836
<211> 447
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 836
aacacgctca agctccagag accaagtgct cagcgtggta aaagttctga aaagaaccag        60
aagccaggac agatgctccc gaacctgacg gacaagctga ggagcagacc caggtgactc       120
catgccccga tgacgccgcc aacccgatga ccctgacctg gagaggaggg aacagagcag       180
cgaccctnga gaagagaaga tatgacaacc actgcagagg agttaccct a tgacagaagg       240
tactctgtgg gagggaggag ataatagcca atgattatat tcctccttca tacttgcagt       300
acctctgaga gagacatttt anagacaaca tctggaaagg caaggtttta ntccttcatt       360
ccaaattaat taaattaaca gattatttgc ccaggtgaat gtaaaaccac tcataggttt       420
acaatacctg aaagtgtaaa aaaataa                                          447


<210> 837
<211> 311
<212> DNA
<213> homo sapiens

<400> 837
caagaagacc ctcgccagat gcaagactcc tcagccttgg actcccaagc ctccagaact        60
gaagtgatgg aaaaactatt ctcagcaaat gagtggaaat tgcacaacta caagatttac       120
ccattttttg aaagctgcct gagaaagaag atagcaatcc aaaagaaaat tcttcataca       180
gaaggcataa agatgcccat catgcagaga gacaagcttc aaggacatga agcctaaatg       240
ggaaatcact gctcttccag gctccatgca ggcaattgga tgtctgtcca gaacatttct       300
ggattaaatt g                                                           311


<210> 838
<211> 134
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(134)
<223> n = A,T,C or G

<400> 838
aagcacttgg ttctgcttcg anatggaatg acacttatan gcttttttaag aagcattgat       60
caactttgca anctnaatgc ttacatntaa actggaggag cccnattcat gttgggcnaa       120
```

220

```
atataactag tgaa

<210> 839
<211> 456
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(456)
<223> n = A,T,C or G

<400> 839
tcccagcggc gtgtcacatt tcacctgcca gaaggctctc aggaaagcag cagtgatggt      60
ggactgggag accatgatgc aggcagcctt accagcacat ctcatggcct gccccttggc     120
tatcctcagg aggagtactt tgatcgtgct acacccagca atcgcactga aggggatggc     180
aactccgatc ctgaatctaa gacagatgta ttggtccgtt ttcatgcccc tgaaagggac     240
atacctgaga ctggggaatt tataaagaaa gagaagttta atggactcac agttccacat     300
ggctggggag gcctccaatc atggggagaa aacattcaga aaaagaaagt ntatcgctca     360
atctacactt gaagttaaag ggaaccnccc cccccncna atgaggaaga acccacacca     420
ngaaccctgg taactcaaat gggcagtgtc atatgt                               456

<210> 840
<211> 545
<212> DNA
<213> homo sapiens

<400> 840
ttcaaactgg aacaagaaga atacatgaag gaagatatac cttggacgct gatagatttt      60
tatgacaatc aaccagttat tgacctgatt gaagcaaaaa tgggaattct ggagttactg     120
gatgaagaat gtttgttacc acatggaact gatgaaaact ggcttcaaaa gctgtataat     180
aattttgtca acaggaaccc tttgtttgaa aagcctagaa tgtcaaacac atcctttgtc     240
atccagcact ttgctgataa ggtaccgtga aggtctccat caatgctgtc aaccccggaa     300
cctgtacagc ctccagaagg agtaggcagg ccaggaatgt ttctgatcag attcaagtca     360
tacttaacat gtagctttga tgagtgtgtg tttaacagtt ccttatttgt ttttgtggcg     420
agatacatga gttccaactg tctactttaa aagacgaatg tgttggtaga aaaccacctt     480
ctgattttgg atggactgaa gtactgaatt tcattaacct cttatcaagt tattttctat     540
atgaa                                                                  545

<210> 841
<211> 317
<212> DNA
<213> homo sapiens

<400> 841
gaagtgaaga aggagttgcc atctggaaaa tagaggttat gacgcaagaa ggcaaaagga      60
agaggattcc gtgaagagaa caggaaacag gaaatgcagg catccgggca acagtaaaat     120
cacaaataca aatatgtcct ctgactaatg cacacccaca cacactcaaa tgcagaaaag     180
ggtaaaatta agttgctttc tccattggat acttttcaa ggcccaatct tcaagaatgg      240
gggatttcga ttaaaaaatt accgtaatgg tttcacatgt ctaaacttca atccattcta     300
aaatgaatat ttttctt                                                    317

<210> 842
<211> 384
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(384)
<223> n = A,T,C or G

<400> 842
```

```
gtctctgatc aagtgccaca tctttagaga agcttttcca aacaaccgat tatgaagtac    60
acattaacaa tgaagcctct tttcaagtaa agaagnggag taactctggt aaccaccaat   120
ctacactcta tttcatgag atccagtttt atagctccca cataatcatg tgtaccacta   180
taaagtacca acttcaattc caagtggagc atttcacatt gagaaagacc ccaacagaag   240
ttagagtctc agcatcaagg attttcccat ggngattgga atatacatgg aagtgatatt   300
cagtnattta atgacagcag atcccaacat attngccaac tgggccaaat ctctggaaca   360
atantggaaa aatatggggg gatg                                         384


<210> 843
<211> 468
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(468)
<223> n = A,T,C or G

<400> 843
atggaggaaa ccacccccat gatccagtta cttccacctg gtcctgccct gtacacatga    60
ggattattac aattcaagtg atcatgggga cactctctgc atgggatgag ccaccatctt   120
ctcacctgga ataaaaccac aagattggct ccttatctac ttcaggttga tgtttagaag   180
atgtgtcaaa tgtgtgtgtg tcatgaagtt caaaattctt caaaaatcaa tggtaatgct   240
gatatggcaa agacgctaaa ttacaggcag cagtgggaag ctactgagta aaaagcacag   300
aatcgtttca tatatgaacc catgaggaat attctgttca aggaatggag acnttaagaa   360
aattacctaa ctactcatga accacacatt aagaacgtag tcagctgttg taaatgtgta   420
tccgacaaca aaccattatg tatctttggg ttaaatatat gggggtaa               468


<210> 844
<211> 447
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 844
ggaggatcac ctgagcccag gaggtcaagg cttcagngag ctgcanatct cactgtcagg    60
cctctgagcc caagctaagc catggcatcc ccggtgactt gcacgtatac gcccagatgg   120
cctgaggtaa ctgaagaatc acaaaagaag tgaaaatgcc ctgccccgcc ttaactgatg   180
acattccacc acaaaagaag tgaaaatggc cggtccttgc cttaactgat gacattgtct   240
tgtgaaattc cttctcctgg ctcaaaaagc tcctccactg agcaccttgt gacccccac    300
tcctgccgcc agagaacaac tttgnaattt tctttgtaat tttcctttac ctacccaaat   360
cctataaacg ggccacccTt acctnccttc gctgactctt tttcggactc agccgctgcc   420
ccaagtgatt aaaagcttta ctgtctc                                     447


<210> 845
<211> 474
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(474)
<223> n = A,T,C or G

<400> 845
gctggagtgc agtggcgcaa tctcggctca ctgcaacctc tgcctcccgg gttccagcga    60
ttctcctgcc tcaacctcct gagtagctgg gattacagaa tctaacacgg ctcctaagaa   120
aatacacagc agctgctatc catcgtcatc accagtgtca tcatcgccat ccccatcatc   180
accaccaaca ccgccacccc cccagcgaca cactagctgt gacacatcct ttacgccctt   240
```

222

```
gaacctgagt ttctacagct atgaagcaag tcccatggaa tttacagacc aaaccgctaa    300
gtgtagggct ccctgggagc tggncttntt gggccncctt ggcgggaaan agccanaaac    360
tgagtgaatt tggagcacgg aaaanagcca tggccaggcg cgggggctca tgcctgtaat    420
cccagcactt tgggaggctg aaggcgggtg gatgacctga ggtcaggagt tctt          474


<210> 846
<211> 447
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 846
acagggtctt gctttgttgc cgaggttgga gtgccatggt gcgatcacgg ctcactatag     60
cttcaacttc ccaaggctca agcatttctc ccacctcagc ctcccaaagt gttgggatta    120
cagacacgag ccaaagcgcc aggctccaat tatcctttta aactaatgca aaaagacatt    180
ttttaagcat tctatgactt ccagcaattt ggaggcctca ggaaacttac aatcatggtg    240
gaaggtgaag aggatgcaag gcaccttttt tacaaggcag caggaaggag aagtgctaag    300
tgaagcagga agagccattt ataaaaccat cagatctcgt gagaactcac acactatcac    360
aagaacagca tggggaaacc acccccatga ctncattact tccaccattc ccttccagga    420
catgtgggga ttatggggat tacaatt                                        447


<210> 847
<211> 296
<212> DNA
<213> homo sapiens

<400> 847
tgagtcaaag ccctgtccag tttgagatct cagcagagtg acaaacattg agagttgtca     60
aagagcagtt ccagtctcat cacaacattt aaagcttttg gaatgcatcg gttttggaag    120
tagtcctcag gagttgttgc tccggaatac aactcactct taacttgctt ttagcagttt    180
atgacagtaa atttttaaag gcatacacaa agaactatgc ttattaatgt gggatatgac    240
tttcgtgtga caaagcagag aaataaaatg caaacctcaa gaatgaaaac acaaaa         296


<210> 848
<211> 135
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(135)
<223> n = A,T,C or G

<400> 848
gagctggagg ctactatnct tancaaccta ntgcangaac agaannccaa atgctgnnta     60
tntaagtggg agctgantgt tactanccca gtattnggaa tttgccaaag ctntattcct    120
cagaatttac ttcaa                                                      135


<210> 849
<211> 418
<212> DNA
<213> homo sapiens

<400> 849
agacggagtt tcatcgtgtt gcccaggatg gtcttgaact cctgggttca agagatctac     60
ccacctcggc ctctcaaagt gctgggatta caggcatgag ccatggcacc aggccaagct    120
tcacttttac cggggatggg gatgatgaag gctaggagcg ttccggtctg gagaagccca    180
ggccccttag cctttcttct gatggagcca caactgccag ggcccacctc tcccacccac    240
tcacaagcag ggctcacaga gcagagcccc cgatcagaag cctctccaag gccaggctgc    300
```

```
aggggaaggca agcagaaaga gtatccactg ttccaatctg attttattga aaaggaaaca      360
tacaaaaatc atgtacaaaa aaaattaacc aaacatgtac agaaaattca aaaaaaaa       418


<210> 850
<211> 490
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(490)
<223> n = A,T,C or G

<400> 850
gtctcccgtg gagagcagcc cagacccggc cacactcagt gaggaggaag tgcgcctcct       60
gctggctgca ctggtgcagg actatgtgca gatgaaggcc agtgagctgg agcaggagca      120
ggagacagag ctccagtttc agttcttgcc ggagagtttc cagatttctc ctcctgatgg      180
cctgttctgt ggattttgga tttgccaagg cagccctcac aatccggctg tcttacctga      240
atggtgctgc atggaggctg cctgcctgca acaggaccaa gatgctgaga gccaggaagg      300
gggagaactt ttggaagccc atgacacctc ttntgnaagg gaagaatgag attaacccc      360
ttcgnccagt tcnaaatttt aagaanccc aaaccttngg ttcctatccc tgggtttctg      420
gcttggcttc taacgcttct ggcttttgtg gctttcaana ctgggccatt atatttctct      480
tctttttttgg                                                            490


<210> 851
<211> 471
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

<400> 851
atactgtaca ggacaacctg cttttcatat tctctgtgaa tttcaaagac gactgggatt       60
ttcttcctcc tctaccaccc tgaacagcaa gaccaataca tcctgtattt cctcctcttc      120
agcctacttg tgaagacaag gatgaagacc tccatgatga gccatctcca cttaatgact      180
gtctcacatt ggccggcaac ttgttccaga tgaaatcttg ctctgtcacc caggctggag      240
tgcaatggct cgatctcggc tcactgcaac ctccaccttc tgggttcaag caattctcct      300
gcctcagcct cctgagtaag ctgggggatta cagatggaag tctcactgtg tccccaagct      360
tggaatgcan tggcgccaac tnnaattnac tgnaagcttt tgcttcccgg gttcacgcca      420
ttnttcctgg ctcangcttc ccgagtagct gggactacag gcgcccgcca c               471


<210> 852
<211> 455
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(455)
<223> n = A,T,C or G

<400> 852
ggctgtagta tgtatgtcnc ctggttcctt tgaaaggaag gccctagcct catcatccag       60
ccnggtattn aaaagaaagt gattttcatg gtctgataaa atacccatga ataggtggac      120
caaggcaaac tggctgcgag ggcttcctgg tttnaatatg ggccggggtg gacatttccg      180
gaaaattcat acccgaaagt gcaacaaaga ttgncattga ctttttgatt caattaacag      240
cagacccgaa gtcaaaagct tcagtgagtt acatcttcat tcaatctnca naagaattgg      300
gaatatcgtc ttctaaaaag gttgctnatg ncttcaatc ttggaaagta ccncataacn      360
ttnttactan cccagnatng gcaaaagtan gccttntaaa gaatattaaa ggcctcaaat      420
cttnccttac tgggctctct tggcacaatg gaatc                                 455
```

<210> 853
<211> 464
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(464)
<223> n = A,T,C or G

<400> 853
gatcgaggcc atcaagctac agatggtctt acaaatggca ccccaaatga gctcaactca   60
caacttctac tgaggacccc tggaccaacc cactggccct ttgactggcc tagagaattc   120
acctccagag gacactacaa ctgcagggcc ccttcttcgc ccctatccag caagaagtaa   180
ctagagcggt catcacccaa ttcccaacag cagctggggt gtcctgttta gacggggggta   240
gggggagatt gagaggtgaa gccagctgga cttcctgggt tgactgcaga cttggagaac   300
ttttctgtct tacgagagga ttgtaaaatg caccaaccag cacttttgta aaaacacanc   360
caataagngc ttntgtagct agcaagaana ttctaaaatg caccaaccag cactttgta   420
aaatgcacca atcaagcgct ctataaaatg caccaatcag cgct   464

<210> 854
<211> 290
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

<400> 854
ggcaagcact ttgctgggga gaaacgcntt nantncatcc accatctggt gactgatggc   60
ttgnntnctn tntatnttga aaccaaggca gcttaattca ttgncangat gacgatggcc   120
nntttatgag cacgnatgat acaccccttt nacaaananc ccgttttcca aaaaaaattg   180
gccagtcttg aangatnctc cngatganag aaaattctac aggccaggat gggggncaga   240
aaaaaggntg acatcacttg gtagaagagc anctctgaaa gaaaacccccc   290

<210> 855
<211> 447
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 855
ataaaggagc tgaagttcaa ggaaattctt attcattcaa tcaactcatg ctgagagata   60
cattgctcag aaaattgtcc ggttaattga caacagagta aatattggaa cctagacatg   120
ttgactcact cagagctctg caccctctc cactccttca ctgctacact gtacagtcgc   180
gagaagacac agacatagga aaaacagaaa gttttccgtc gtttgatggc acgggcagga   240
gcagtggctc atgcttataa tctaagcact ttgggaagcc aagaaaaaga agatctgtga   300
ctatgtttga caaggaatcg ttgtccatct aaagcagatt acgaaganga ctcaaataat   360
ctaacacatt ctgattcacc aagggaaccc actccttaaa acccgcctgg atatgtttgg   420
gactcacata aaatttgaaa aaaagaa   447

<210> 856
<211> 466
<212> DNA
<213> homo sapiens

<220>

225

<221> misc_feature
<222> (1)...(466)
<223> n = A,T,C or G

<400> 856
acagggtctt gctttgttgc cgaggttgga gtgccatggt gcgatcacgg ctcactatag   60
cttcaacttc ccaaggctca agcatttctc ccacctcagc ctcccaaagt gttgggatta   120
cagacatgag ccaaagcgcc aggctccaat tatccttta aactaatgca aaaagacatt   180
ctttaagcat tctatgactt ccagcaattt ggaggcctcg ggaaacttac aatcatggtg   240
gaaggtgaag aggaagcaag gcacctttt tacaaggcag caggaaggag aagtgctaag   300
tgaagcagga agagccattt ataaaaccat cagatctcgt gaaaactcac acactatcac   360
aagaacagca tggggaaac cccccatga ctncattact tnccaccatt ccctttcang   420
acatgngggg gattatgggg attacaattc aagaagaaaa tttggg   466

<210> 857
<211> 330
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(330)
<223> n = A,T,C or G

<400> 857
acagggtctt gctttgttgc cgaggttgga gtgccatggt gcgatcacgg ctcactatag   60
cttcaacttc ccaaggctca agcatttctc ccacctcagc ctcccaaagt gttgggatta   120
cagacatgag ccaaagcgcc aggctccaat tatccttta aactaatgca aaaagacatt   180
ttttaagcat tctatgactt cagcaatttg gaggcctcag gaaacttaca atcatggtgg   240
aaggtgaaga ggaagcaagg cacctttt acaangcagc aggaaggaaa agtgctaagt   300
gaagcaggaa gagccattta taaaacctca   330

<210> 858
<211> 367
<212> DNA
<213> homo sapiens

<400> 858
ggcacaccca gacagaagac aaagaaggct gaagaagtaa gagtgagaaa ccgagagggt   60
ggcagtcgga cccctgtcag agagtaaatc tcaagtaagg tacctgccat cggcagattt   120
gagctttctt cttggacacc taatacccac agtcctccag gctccggtag actgcaaatg   180
acctgctttc tttctgttcc cgggctgcgt ttggacccct gtcggatagt aaatcccaag   240
taaggtacct gccctcggca gatttgagct ttcttcttgg acacctaata cccacagtcc   300
tccaggctcc ggtagactgc aaatgacctg ctttctttct gttcccgggc tgcgtttgga   360
cccctgt   367

<210> 859
<211> 203
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(203)
<223> n = A,T,C or G

<400> 859
ccagttccca ccccaatctt ttctactncc accccattgc tgacncatgn accttgtgct   60
gnanaatnnt aaccncctct ttcgataagg gagcaagctg ttcggactnt caagaaacag   120
tnacatnagc aacttggcat attgtgactc naaaaggtaa aatccgnggt gnacaatcgg   180
ctgnggaaga aaagaaacca aag   203

<210> 860

<211> 444
<212> DNA
<213> homo sapiens

<400> 860
gaccccactg gaaactggac tgtccaactg gcccaaggct ctgattgact ccttcccaga   60
tcttctcggc ttagtggctg aagactgaca ctgcccaata gcctcggaag ccccctggac   120
catgatggag gccaagcttc ggctgtttaa gaaggaaact ggcagataat cagaactgga   180
cggcaaagtg ttttgtgatc ctcctgcaga ttccagggtt tcagtatcac ctccagccat   240
gctgatttaa ccagacagac agacagcact atcacaaaag agcacacctg cagcttcctt   300
tcctgagaca gactctcgtt atgttgccca ggctggtctt gaactcctgg catgaacaaa   360
cccctacct tggcctccca agtgttggga ttaacagcgt gaaacaccac acccatcctg   420
ctccttttca attgaggaag caga   444

<210> 861
<211> 524
<212> DNA
<213> homo sapiens

<400> 861
attcctacac gaagaaacct cagaacccag gattcaagcc aaaaacaatg attctcaagt   60
tcctatgaaa tcctggatgg atgttgaact gggcaacgta ctagctgact cccatggcag   120
atgcgagcct caacaaagct ccagggctgg cacttcaagg gagcggagga atctttgcca   180
agaagacttc tgctatagct accaacatag ctgtgccacc tgattccatg gattggcatc   240
tccatcacct aatgaagcag agataacacg gaggacctca gtcaatacta tctacaaacc   300
tcagttgata tcatttgcaa acctccctga ttcagtatta acattcacaa tatttaatta   360
ggcaccattg aatttcattt accaaatgtc aagcagatga caaaattctc ccaatttgat   420
aaaatttgat aaattttaat gttgacatta agtcactttt attttagaaa acagcaagac   480
atcttagatt ttgaaaacgg gaaagtcaat atcaccaaag tctg   524

<210> 862
<211> 368
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(368)
<223> n = A,T,C or G

<400> 862
gaggactggc gttaagccca ggtgctcttt ttctacgtga agtacttggt gctctttggc   60
gtgcctgctc tgctcatgcg cctggatgga ctcactccac ccgccctccc ccgctgcgtg   120
agcaccatgt tcagtttcac cgggatgtgg aggtattttg atgttggact gcataatttc   180
ttaatcaggt atgtgtacat tccagtgggc gggtcccagc atggcctgtg ggacctgttc   240
acggcataca tttnatttgg actctgcatg gcggtacact accttggtgn tggcangctc   300
aactggtgga gnactgtgga gaanggagnc cgangtgngg aaaacctttn ttcaaaaagt   360
tggcccaa   368

<210> 863
<211> 106
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(106)
<223> n = A,T,C or G

<400> 863
gggtaggtgg gactacctgc ttantcanac tgacagacag ntttntccat gttgcccang   60
ctggtgtgca ttctttgctt cnnccangat agctcccttg gaactg   106

<210> 864
<211> 363
<212> DNA
<213> homo sapiens

<400> 864
aatcccatcc agagtaccac actgaatttg atcaagtctc cttgacagat gaagcaagct   60
gccatgttat gagctcccct aaggagaggc ccatatggta aggaattgag aatgaccttc   120
agccaacaac catcaaagaa ataaggcccct cagaccagca gcccacaagg aactgagagc   180
tgccagacca catgaatgtg cttggaagcg gatccttccc tcattgagcc ttgacaagga   240
cagccaccac agccagcact ctgctgctgt gagacacctg gaagcagaga acttggctta   300
gccacatgct gtctcctgac ctatagaaaa ctgagataat tagtggtggt ttaaaccccc   360
aat   363

<210> 865
<211> 347
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(347)
<223> n = A,T,C or G

<400> 865
gtcttgtcat ctcctaatca gcagaaggaa aagaaagtca gggatgcaca gcatctctca   60
gtttggcctg ttacagaaga ctacagatat gatcatggat aaacccaacg aaaatcagta   120
tctgacaata tgtaaaatga catggtaggt cattaaattg agacctgaaa ttgtggatca   180
gtttaaccca gagtcacagt taggcaaacc acaaagcaat ctaagaggag atcacagcat   240
aacagcattg caccacttat gtggctatta aggaccctgc atcaaacaac aaaaagatta   300
ctttttttg ttcaaatcca tttatctgnt tatttaagca gaacaat   347

<210> 866
<211> 142
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(142)
<223> n = A,T,C or G

<400> 866
aatgccgaac tggggaggag gcaagaaaat gtggggtgtg tcaaaagacg ggnnactttg   60
cctaatangc tntgtgcgaa tgnanncntt tatttcggcc agtcccccnc ttntggccat   120
ctgatctata aatgcggcgg ca   142

<210> 867
<211> 427
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(427)
<223> n = A,T,C or G

<400> 867
acatcttgtt tctaccagat ccttctccct gtccatctca tcactctgaa gttggtgaac   60
acagagctga caacagaacc ccaggcacaa agaatcagga taagaggaac tcctcctctt   120
cacattcaga agcccaagaa gacaccttc tgctggcatc catcanggtg gtatatcttc   180
attgtcccag ttctactta ctcaggcccct ctggatcctc ccacccattc tcctacaggt   240
taaaatcacc atgaggccag gcacggtggc ttatgctgta atcccgcact ttgggagacc   300

```
aaggtggggag gattgctgaa ggccaggagt ttgagaccaa cttcaggcaa gaagattact    360
ttgagtccan gagtttgaga ccagcctnaa caatacaagg naggaacctt ttttttttaca    420
aaaaaaa                                                               427


<210> 868
<211> 326
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(326)
<223> n = A,T,C or G


<400> 868
gcgctgggga gctcctgcnt taagctccca nctgnaagct ganctgagag acttcnnttg     60
nanggantga accctcacca gctggaaggt gatgctattg aaggctcagc tgacaacaca    120
catgggcatc aagncactgg ccacattcat gcctcaagtg tcctaaaacc gatgaccaaa    180
agaaagctcc cattcagcaa gtggagactg gcctgcagat tccctggcct gcaagcttag    240
agtacgaaga tactaaatgc tgctggaaca atgaaaagaa agaaaggata tcacaaaaag    300
cattttcgtt tgatgaaaaa aactaa                                         326


<210> 869
<211> 587
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(587)
<223> n = A,T,C or G


<400> 869
acaaaagaag agcagaaaat ggagagaaat gtcagctgat gaagcagctt ccctcagcat     60
ccctgaacca cgtggactca cccacccagc caagggcctg gctggacaac tgtccctgga    120
agtctgcaga gaaaagccga gaatacatgc tttgtacaca ctgccttcca aaggcattct    180
ccaggcaacc tcatgcattc tctttagtga cttcctatga gctgacaact cccagctctc    240
tagcccccagg tcagatcttt gctcaactcc acatttgttt actcagtagc ctactggaca    300
tcactggctg gagcccctac aggcacttct cattcggcat ggcccagnga ccttctcatc    360
tctgtgcatc tctcagcggg cctgcccccca aactccttac cctcagctag ttcctgtcac    420
cacccatcca attgcctagc cctgaaatct ggggagcaac cttggctacc acttttccct    480
caccggtatc tttattttttt ttatttttat ttnggaaaca ngatcttggt ttggtaccca    540
ggctggaagt acaggggcan gaacatggct tcctgtattc ctcgacg                  587


<210> 870
<211> 348
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(348)
<223> n = A,T,C or G


<400> 870
gttcttatat gaatgacaga agaaacaatg aaattgaagg aaaggaagat gaacgctaag     60
gctgacctcg actcacagca acctctgcct ccagggttca agtgattctt ctgcctcagc    120
ctcccgagta gctgggacta caggcaggtg tcaggcctct gagcccaagc taagccatca    180
tatcccctgg nggtctgcac ctacacatcc agatggcctg aagtaagtgg agatccacaa    240
aagaagtgaa aatagcctta gctgatggca ttccaccatt gngatttgnt tctgcctcac    300
cctaactgat caatgnactt tgaaatctcc ccccccctta aaaaaggt                 348


<210> 871
```

<211> 178
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(178)
<223> n = A,T,C or G

<400> 871
```
ctcctgtgtg tagttgataa gccnggcggc gaaggggagg gctgacaggg acaaaaccnt    60
tccccangac ctngccagag gaatcaaaga ctccacccgg ggtannggna ccaccncaaa   120
gcnagangcn cnaanccagc caaanganag aggaacagcg ccgaagaagg gcaaggac     178
```

<210> 872
<211> 591
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(591)
<223> n = A,T,C or G

<400> 872
```
aaaaaagcat ggtgcgggca tctgctcggc ttctggtgag gcctgtgagt gtctcctaac    60
gaggaagctt ccaatcatgg cagaaggcca acaaggagca ggtacatcat gtggcaagag   120
caggagcaag ggagagaagg aggaggaccc agattccttc aaacaaccag ctctagcatg   180
aactaacaga gcatgaactc actcattacc ttgcggaggg caccaagcca ttcacgaggg   240
atctgcccca tgactaaaac accttccacc angccccacc ttcaacactg gggctcatat   300
tccaacatga gatttggagg agacacatat ccaaaccata tcacacacct gggggacagc   360
tataggaatc gtgcctcttg ggttgtcaat ctgccagaaa caatggactc acaacctttg   420
gcgtgggctg gggactggtt aatctgnctg nggagtaaat aattaaacct tgccanggag   480
aggccnggct ttgccttact ttcaaaagga atctntaacc cttgcaatgc ngcccaaaag   540
angatnttan gganagctgg cccnccnata acaaaaatgg gtttgggggg g            591
```

<210> 873
<211> 237
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(237)
<223> n = A,T,C or G

<400> 873
```
tcaagtcgta taccctgngt tnatacntta ttaaacaacc gacatttcta cngttgcgga    60
gctgaacgtc ngggggtgagt ttcnacacca ccacccttng tacccttgag gangtacnca   120
gggctcaang ctgnctatag atgccntntg agcaaggnca gncnggntaa gnccaagcng   180
aattggccaa tncttttgcg tttttacccct ggaagaaaaa actcataagg caccctc      237
```

<210> 874
<211> 550
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(550)
<223> n = A,T,C or G

<400> 874

```
aataaataca tcatttatag aggaaaagca gcagcatttc aagaccaaac gtgtggaaaa      60
gaggtctaat gtgggacccc gtcagcttac cgtatggaat acttccaatc tgagtcatga     120
caaccgacgg aaatacatct ttagtgatga ggaaggacaa aaccagctgg gcatccagat     180
ccaccaggac atccccctcc ctccaaggag aagagagctc cctgccttgc ggaccaccaa     240
tgggaaagca gactccctaa atgtatctcg gaactcagtg atgcaggaac tctcagagct     300
cgagaagcag attcaggtga tccgtcagga gctgcagctg gctgtgagca ggaaaacgga     360
gctggaggag tatcaaagga caagtcggac ttgtgagtcc taggtgacca cactgcttcc     420
ctttctcagt tcctgacctt cctctgagcc cttgagacac tttgtaatgc tcttttgtaa     480
ctatcgacaa aggtgtgggg aagctgaggg tctangtctt cttaaaggtc aagtctgctc     540
ttcctcgcct                                                            550
```

<210> 875
<211> 595
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(595)
<223> n = A,T,C or G

```
<400> 875
attcatcaca aggagagcta cacagagcct ggaagaagct gaagactgct accctccatn      60
cttactcacc nngccttttg agcacngttc agccctggtt aaggtccaag cttgaattgg     120
gcccaatttc ttttgggtnt tttaccctgg gaangaaaat actcattaan gccacnttng     180
nntcnnccca ccaaacagct gcttgggnnn ancaanattg tgcaaaagaa tctgcaggaa     240
ggggggtggct acctggaaag gatccaagcc tttaagccaa atcnacccac cctcatttgg     300
gggttggaaa aagtttccaa gngggccttc aaatcccaag ggnacccaca actctttatt     360
tgggccaagg ggcaaggggn gccttcccac caagaagcct tnttgaaggt tanaacttt      420
cttttgggtt tggttggcca ggtccttggg caagggccta aattgtttng gggncaattt     480
ggnnaaaaat tttcccttan ccctttttgcc annnccctta tcttttcatt ggtgggtggg     540
aagggggggga attcaacttt tcaaaacctt gccnctngct tggtggggac ccaaa         595
```

<210> 876
<211> 379
<212> DNA
<213> homo sapiens

```
<400> 876
aacaatctca tgtagactgg cttctggaat ctctcctacc tcctactgag ctgactctcc      60
tggagcctgg ccgtaacggt gcaggggctgg aagctatata ctacaagcac atgctgtatg     120
gcatccagca ctaacctggg cagatgacgg cgaaacaatg tgtgatattt ccatttgatt     180
tattttcctt ctttctctat agaaagtgtt attataaaac tgttatgttg aaggaacaca     240
aaatttgaag gaaaggaatc aaacataaat gttaaatgtt tatgtgtgtt tatactgttg     300
atctatgata tctcttgtag ttactgttca acatttctat tttatatgct tttgtaaaat     360
aaacaacata ttttatccc                                                  379
```

<210> 877
<211> 435
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

```
<400> 877
agacacctac cgctcacatg ngccacaaag gatggcatgg cccgggagtg ccccaccacg      60
tggctttcac cccctgcaaa gccagacttc tcccagcgac acagngtcna ncccacagct     120
ctccaaggag gaagatggnc caggntgnga ncatcccntt agcagcannc tctgggaggc     180
tgtgnnttac tcatgcnngg tggngnaggg gcgcctctta ncnaaanatg atgaaaggct     240
gtncccctctc angaaggaga angtcctcgn ctgttccang gcaaagaact ggacaagaag     300
```

```
gaggaggttc attcantnca ttgaagttgg ancttccctg ctggggctgg agcccggncc    360
ctgaagctgg ctgaagtgct aaagcagggg ctagcaaact gtggccgaat cccacctgct    420
gcctgtttgt ataaa                                                    435


<210> 878
<211> 437
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(437)
<223> n = A,T,C or G


<400> 878
agcctcgctc tgtctcccag agtgtggtgg catgatctca gctcactgca acctccacct     60
cctgagttca agcgatcctc ccacctcagc ctcctgagta gctgggacta caggtgcgca    120
ccaccacacc cagctaattt ttgtatttta gtagagacag ggtttcacca cgttggccag    180
gctggtctcg aactccttac ctcaagtgat ctgcctgcct cggcctccca agtactggc     240
attacaggtg tgagtcactg caccggcct catatgttga aattctaatc .cctgaggtga    300
tagtattagg aggtggagcc tttgggaggg atgattangg catgaaggga agatccctca    360
tgaatganaa ttagngctgt tgngaagaag actcaagaga gatactttgc tccttctacc    420
atgtgaagat cagtgag                                                   437


<210> 879
<211> 538
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(538)
<223> n = A,T,C or G


<400> 879
aacttctact gaggacccct agaccaaccc cctggccctt tcactggcct aaagagttcc     60
cctctggagg acactaccac tgcagggccc tgtccttgcc cctatccaga aggaagtagc    120
tagagcagtc attgcccaat tcccaagagc agctgggggtg tcccgtttag agtggggatt    180
gagaggtgaa gccagctgga cttctgggtc gggtgggggac ttggagaact tttgtgtcta    240
gctaaaggat tgtaaatgca acaatcaagt gctctgtgtc tagctaaagg attgtaaatg    300
caccaatcag cactctgtaa aaatgcacca atcagtgctc tgtaaaatgg accaattaac    360
angatgtggg ngggnccaaa taaagggaat aaaactgggc cncccaagcc agcaacaagc    420
aacctggtcg ggtccccttn tacnttgggg aacctttgtt ntttccttct tcacaanaaa    480
ncttgntgnt gntcactntt tggggcccca ccacctttnt aacttggaac actcacac     538


<210> 880
<211> 515
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(515)
<223> n = A,T,C or G


<400> 880
cctgattaag tcagactgna tgaaaaagna ccccccnng nnngtgnang ncngangaaa      60
ccngaaattg aaggaaagga agatgaacgc taaggtgtca ggcctctgag cccaagctaa    120
gccatcatat cccctgtgat ctgcacctac acatccagat ggcctgaacc cgcctgcacc    180
cgggtgaaat aaacagcctt gctgttcaca caaatcctgt ttggtggtct cttcacacgg    240
acgcttgaga catttggtgc tgaagaccca ggtcagaggg actccttcgg gagaccaagt    300
cccctgtcct cgccctcatt ccgtgaggag atccacctac aacctcaggt cctcagacca    360
accagcccaa ggaacatctc accagtttcc aatcggacag gaatggcagg cctctgaccc    420
```

aaactaagcc atcatatccc ctgtgacctg catgtataca tncagatggc ctgaagcaac   480
tggaagatcc acaaaagaag tgaaaatagg cttac   515

<210> 881
<211> 509
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(509)
<223> n = A,T,C or G

<400> 881
catctgttaa ggaggacang aaagatggcc cctnttggnt gttattcccc tgccncacnt   60
ntacggannct cgaatcaaag ggggggaann gttntgtcnt ntggatcccc cgccgccnta   120
tgaagctgtg gtgagccnna nancccaggc cnggnnttgt tcattccaaa tgtgggaacg   180
acccnatctg ctgtgatccc attggatctg gctgcacaca agtggctcaa gatggggaca   240
ttcctaacat acctgccgaa aannaatgca tccacctcaa ctcccaaatc aaccctggtg   300
cntcctatca gaagccggag agccctccca cccttgagga ccangtcnaa gaagtgaccc   360
tgtgctccat tcttctgagg agagagctgc cccagtgctc agctgtgaag ctgcnacaca   420
nactgaaaag aaactggatc tggcttgaaa gacttttaag gganggttgg aaattaaaac   480
tttcgaaacc aaacccgggc cttttttaa   509

<210> 882
<211> 460
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G

<400> 882
gagcaataaa tacatttta cagttcggnc atgtcagaag gtgcattnna ccttttgaca   60
aaagagactg gctttgcnga acccnggnat gtnaccntat ggantnctac caatntgatt   120
cntnacnncc gccggaagna cntntttatn gataaggagg gacaaanccn gttgggcntc   180
canatccncc aggacatccc cctccttcca agganaanaa agttccttgc cttgcggncc   240
accaatgggg aaagcaactc cctaatgtnt cttcgnactt cagngatgca ggaactctca   300
agctcgagaa ancggattca ggtgatcccg tcaggactgc aacttggctt gggagcanga   360
aaaccgactg gangagtatc aaaggacaag tcngacntgg gaagtcctan gngacccct   420
gntttcctttt cttagtnctg accttctttt gagcccttga   460

<210> 883
<211> 453
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(453)
<223> n = A,T,C or G

<400> 883
ggggtcactc ctgaagtaag tacacatttc cttaggaaac agactttaag agtttgaata   60
acttgcaaga aaatcactgg aattaaagtt cagtgccatt tctcacatgt ttattgcggc   120
actattcaca atagcaaaga cttggaacca acccaaatgt ccaacaatga tagactggat   180
taagaaaata tggcacatat acaccatgga atactatgca gccataaaac aggatgagtt   240
catgtccttt gtagggacat ggatgaagct ggaaaccatc attctcagca aactatcgca   300
aggacagaaa acaaaacgcc gcatgtccca cttgtangga ggaattggac caccagnacc   360
cttggccnna ggggggggac cacccccaac aggggcctnt tntgggncgg gggnagggg   420
ggaagggata ncattagaag atatacctaa tgg   453

233

<210> 884
<211> 451
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

<400> 884
attgtacaag aagcacggag ccagcatctg cttccgatga gggcttcagg ctgcttccac   60
tcatggaaga agatgaagtg gaacaatcgt gtgcaaaaat cacatagaag gaaggaagga   120
aagaaggaag gagggagaag aagaagaaga agaaggagaa gaaggagaag aaggagaaga   180
agaagaggaa ggagaagaag aagaagaaga agaagaagaa acagcnaaca ctttttaaca   240
aattttaata agtcaacatt atcttggtac taaacttcat ataaatatta caaaactgag   300
taactcatct ctnttgatcc cgacaccaaa atctttagcc aaatggttac caatggaaat   360
ccattcctgt taaaangata ttgtnttnta aaaatgtccc gcttattata ataacgtatg   420
gtgaattaac attttaaaag tcaatcactt t   451

<210> 885
<211> 364
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(364)
<223> n = A,T,C or G

<400> 885
agacaggaga ggacctggta cagacacaga ggagaaggcc atgtgaaaac agaggcagag   60
actggagtga cgctgccaca agccaaggaa cgcctggaac caccagagga tgacagcggc   120
aaggaaaggt tctccaacag agcttcggga gggagtgtgg cccggctgac acctgatttc   180
agacgtctgc cctccagaac tttgagagaa caaattcctg ttgtttttaac ccaccaagtt   240
tctggtaatt tattagagca gccctgnaaa ctaacagagt ttcccatcac atttagcgta   300
aaatcaagct cctgcagcct ctaaatcaaa taaaaggctc cttttgctaa ccttactggt   360
ctcg   364

<210> 886
<211> 200
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(200)
<223> n = A,T,C or G

<400> 886
tgataatctt tcttgnntcg ctattttgaa gcatngtttc acgctcttgg tctaagcacc   60
aagctngaat tggcctcgct ggccatttaa atggcagccg ccctcgagga attcgcggcc   120
ngntaggcca attcttttgc tttttacccct ggaagaaata ctcataaagc caccttntga   180
tatttacccc ccattttttt   200

<210> 887
<211> 126
<212> DNA
<213> homo sapiens

<400> 887
gatggcaccc caaaaggcta atctaggact gagcaaagaa gatgaatggg tcctcattat   60
accttcaaga tatgttcatt ggatgctttg tcatcagggg acacatacaa acggatgaac   120

acagaa

<210> 888
<211> 142
<212> DNA
<213> homo sapiens

<400> 888
ccatgtgtcc tctgcacatg ccaactcctt tccaccttcc acaatgagct gaagaatcct   60
gaggccctca ccagaggcag atgcccaatc ttgaactttc cagccaccag aattgtgagc   120
caaataaaca ttaaaaaaaa at   142

<210> 889
<211> 260
<212> DNA
<213> homo sapiens

<400> 889
gatagcatca ttgactggac ttgcttcatt actatggctt tgcagaatgg atcaacctca   60
ggtagcccta ttacaaaagg aactgactca gctcaagaga aaagcttcaa ctccctatga   120
tttcatcttt gacccgacca accagagctc ctgactcacc cacccactac ccaccaaatt   180
atccttaaga actctgatcc ctgaatgctc gggaaattca tttgagtaaa aataaaactc   240
cagtctcctg taaaaaaaaa   260

<210> 890
<211> 469
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(469)
<223> n = A,T,C or G

<400> 890
aatcaagaaa acaattcaat aagaatccat tttccttggt aacaggacac aattgaaaac   60
actggttatt taaccaaagc ttcatctgaa atggcatatt ttacggatat gacgagactg   120
ctttgaggaa tttaagtgga ccttataaag ttgataaaga gcccttana aagactggcc   180
tagtacctca tctacttggt tcccttagga gcctaggaac ctcaagtct ttgggggacct   240
caagaagaga gaaattcact caatttatgc acatattaca ggcatagtct aatggtgaat   300
cattggcttg gtttccccgt cttaaaaggc ttttagaagt cgaatttgag attctttatg   360
aaaacattcc cagcnaagtc aacttnaaaa gaacctttt gggaccnttc nttnttnttg   420
nttttgcaa ataatccggc caggtaaaat actaaaactt aaaaaaaaa   469

<210> 891
<211> 397
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(397)
<223> n = A,T,C or G

<400> 891
gatattacaa aggacacaca gatgaacacg ccagatggaa gagatgcacg gggtgaggtg   60
cggctgaaga gaaaacgaga ttccatgccc tttcctgaca tccaaccctc caggaacctc   120
catgtgttca gctatctgga agttcccaga acgcggtcct tcaggggttgt taagaaagct   180
tcattatgaa tgttatcaca aaaatgtgng ctgattactt ccttgtatct gagctttgag   240
caacttacaa ggcagacact ggacctaaaa cacagggctc agtggctcac gcctgtatcc   300
cancactttg ggaggccgag gcaggcaaat cacgaggtca aganatnaag accatnctgg   360
ccaacatgan gaaaccttgt cttttttaa aaaaaaa   397

<210> 892
<211> 667
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(667)
<223> n = A,T,C or G

<400> 892
```
agtctgaaga ctacctgctt aagtaatagc tggnggtcca ccgtcctcga cctgcgacgg    60
ggtctccatg agcacagagg ctgctctgga gtcaatagat catctttccc ccaaaccaaa   120
ctgcttggct ggcgttgttc ctgaagcggc ttcactggcc agagtgccca gaacagccca   180
tcgtggggac ttcaccctca gcaagtggat gccgtttgtc ctgccagggc aggatggaga   240
tggatgggga cccgtataac ctgcctgccc aggggcaagg caatatcatc attactaagt   300
atgagcaggg acaccgagct ggggcagcag tggacttggg gcatgagcag gttgatgtca   360
aaaatacac caataacctc gggattgtgc atgagatgga gctgccccgc gtcagtgccc   420
ttggaggtga agcaaanacg caaggaaagt aaaccgtacc aacaagtggc aaaagatgct   480
tgcagactgg acaaaatata ggagcnccaa gaagctttct caaaaaatat acaaagtcat   540
ttcccctgng ggacngggnc ccggcgggca cttttggtta atantggaaa naataagtcc   600
caaaacccag gcaaaatntt anntnttaaa gaaaagggca angncttcaa aatattcctt   660
ggtttca                                                             667
```

<210> 893
<211> 140
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(140)
<223> n = A,T,C or G

<400> 893
```
ctccccacca gctcatctat aaaacctcct gcatttcacc gcggatccgg caacccattt    60
ttctgagacc cctctntgca gnagagaact cttntctttc ttttgcctat taaacttccg   120
ctctcaacct caaaaaaaaa                                                140
```

<210> 894
<211> 208
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(208)
<223> n = A,T,C or G

<400> 894
```
tactgcattt gtactnccca agaaaaacnt tcctaccttn caangngaan cntacacacn    60
ggattntatn tggnccccat tgaatagttc atcgtctgaa agagacattt tccaaccatg   120
atgggagaag atngcanaaa ctntcactct ctaagatatt gacagagcta ttgcttgcct   180
tttcccaagc tggttggttg gataaacg                                      208
```

<210> 895
<211> 175
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(175)

<223> n = A,T,C or G

<400> 895
cactgcctcc aacgggggac ccnnggaaca tgctgttnct tgcnctacat ccacccttac   60
ngacgggaat gantatctga aagctttggt agctgtgggg gagaatttgc caaaatatga   120
cngngacaaa aaggtnccct tgcttttggn tttgggnccc gggatacccc ccaaa   175

<210> 896
<211> 206
<212> DNA
<213> homo sapiens

<400> 896
gcaacgtgtt ggaccttccg gagcttctca gaagacagag ggttttcttt tgagaaaaag   60
tacttcaact cggccgggca cggtggctca cgcctgcacg cctgtaatct cagcactttg   120
ggaagccgag acgagcggat cacgaggtca ggagatcgag accatcctgg ctaacacggt   180
gaaaccgtgt ctctgctaaa aaaaaa   206

<210> 897
<211> 354
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(354)
<223> n = A,T,C or G

<400> 897
atgaagaggg gacagaaaga canatntatt tgnaanaaag gcctggnnat cccatgaacg   60
agccaacaga aaacctattg gggtgcagca ngnctncaga nccanatnta aggctcanaa   120
aagggcacca nctggatggn acacgaagag gtgataatga ccgccaccaa gganatttgn   180
gagcccattt tagaggcatc tgttctatct tcccatcata aancaagctc tgaggaacnt   240
gaatacaatg atgaanctcc tctagganca tgaaggcttt atgggcctnn tcccttntnt   300
tacaaccnat cttgctatgg aaaaaanngg aagaattngt ttgtacggta tggg   354

<210> 898
<211> 566
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(566)
<223> n = A,T,C or G

<400> 898
atactgtaca ggacaacctg cttttcatat tctctgtgaa tttcaaagac gactgggatt   60
ttcttcctcc tctaccaccc tgaacagcaa gaccaataca tcctgtattt cctcctcttc   120
agcctacttg tgaagacaag gatgaagacc tccatgatga gccatctcca cttaatgact   180
gtctcacatt ggccggcaac ttgttccagt ttgtgtcttc cagattacaa taattccatg   240
taaagatgat gctggcacaa ggctttcaac ccatcccctc ttctgaccca gaagataaag   300
acatcctacc tttgagcctt ttagaacagg tatccaggga ttttacctct ccagtgctag   360
gcagggtcta tgcccataac atcagcagga agcagttaca gaagatgaac ctccgccttc   420
tgcaagcccc ttaagattaa ggaggagtat ataatctctg atggggaaat gaggnaggag   480
accagaanga cttatttttc atttccaccc cattgaacaa agcangatct gggcaaaaca   540
aggtgcagtg gagaaacctg tttttg   566

<210> 899
<211> 547
<212> DNA
<213> homo sapiens

237

<220>
<221> misc_feature
<222> (1)...(547)
<223> n = A,T,C or G

<400> 899
ctcgttacta atgaagaaaa gaaataaagg aaaaaaccct aganagcanc tgcccccat   60
ctgncnnata ttcanaaaag aatataantg aaggcttatt gcacacacaa acnaggctgn   120
tgtttgagaa agttgtgaga atgaagnggg ggtgactagn gntaagaaaa tcctgncaaa   180
cagagccngg nanaaccatg nagatggnnc acatgcttgt nngtntgatn acacanacta   240
tnacannggg ctgcaanaac cacnaccttg cacaaatgtc atcgcaacct tacagaaaaa   300
atacttctat aaggacatct ngccaaacaa ctccctgacc aaactcggac tggngtcacc   360
tttgntattg attttgtag ncaaagataa tgatttcaaa acagntacat catcctcctc   420
atttttccct ttaaaaactt ttgncttcct ttacctnctg aatnggcgta taagtttact   480
atggcatgtg tgtttctatt gcaatgccct gttcacaaat aaacatnttt tntttggaa   540
aaaaaaa   547

<210> 900
<211> 121
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(121)
<223> n = A,T,C or G

<400> 900
accctgtaaa cttgggttga cangctaccg gttgnacnta nctanccctt gtatgaanat   60
gntnccctgn atgatggaga atacaccca ctgatnatng gccttccagg actgaccaga ·   120
t   121

<210> 901
<211> 299
<212> DNA
<213> homo sapiens

<400> 901
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg   60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta   120
ccacgcctgg ctaatatttg tatttttgt agagacgagg cttcaccatg ttacccaggc   180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat   240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagccg aaaaaaaaa   299

<210> 902
<211> 185
<212> DNA
<213> homo sapiens

<400> 902
gggcaaaccc atgctttatg aagcctgatg cttacacaat tatgggagcc ttctttgaaa   60
aaaaaatttc aaaattacaa atgcaaaatt aggtacaaaa gggaatattt acaatgagaa   120
atcaccacaa atggcaagat ttaaacagct gacaaattaa acagcgcaaa atccaggaaa   180
aaaaa   185

<210> 903
<211> 560
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(560)

238

<223> n = A,T,C or G

<400> 903

```
gtgtatttct actggatttg ccgggatgca agagcttttg agtggtttgc tgatctctta    60
ctctccctgg aaacacggat gagtgagcag gggaaaactc actttctgag ttatcatata   120
tttcttaccg gctgggatga aaatcaggct cttcacatag ctttacactg ggacgaaaat   180
actgacgtga ttacaggctt aaagcagaag accttctatg ggaggcccaa ctggaacaat   240
gagttcaagc agattgccta caatcacccc agcagcagta ttggcgtgtt cttctgtgga   300
cctaaagctc tctcgaggac acttcaaaag atgtgccact tgtattcatc aactgacccc   360
agagnggtca tttctattac aacaaggaga gcttctagac tttggangnc aagtccangc   420
attgnggttt caatcaaggt attgattncc aaaaactnca ccaggaattc ctgngacngg   480
ctggtgatat gagctnccag ttggnactgg ngaataataa ttaactattg ggacaaggcc   540
actntaccat acttccttac                                              560
```

<210> 904
<211> 106
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(106)
<223> n = A,T,C or G

<400> 904

```
tctgctatga ttataagttn cctgaggtct cccagtcatg cttcctgtac atcctgagga    60
actaacctat gggaagatca agaaatgtca cttctgagaa aaaaaa                  106
```

<210> 905
<211> 235
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(235)
<223> n = A,T,C or G

<400> 905

```
ttgtttaaaa ggtcctaaac ncaaattcac ctacacaagg gattcagncc gtcttaggtt    60
ctgctaatga caactcttct tgaagttctt caaggccgtg tgaaaaggaa aagccagccg   120
ggcacagtgg ctcacgcctg taatcccagc actttgggag gctgaggcgg gcggatcacc   180
tgaggtcagg agtgcgagac cagcctggcc aatgtgtctc tactaaaaat acaaa        235
```

<210> 906
<211> 274
<212> DNA
<213> homo sapiens

<400> 906

```
atttttgttc agattgaacc caagaggact cgtgactcat ggctcaactg gtcctatggc    60
tccacccaac agcaagttct gcacacccct atgattgctt ccccaacgaa tcagcagcag   120
ttattcccta gccccctgcc catcaaattg tccagaaaaa ccctaagctc caagccttca   180
gggagactga tttgagtagt aactccatct cccgcatggc atagctggac ttggattaat   240
taaactcttt ctttattgtc gtgccaaaaa aaaa                              274
```

<210> 907
<211> 355
<212> DNA
<213> homo sapiens

<400> 907

```
gagagacggg gtttcaccat gttcaccaga ctggtcttga actcctgacc tcaggtaatc    60
```

239

```
caactgcctc agcttcccaa agtgctgaga ttacaggcgg gagccactac acctggccaa        120
taaaggccgt ttcagtcttc aatctgtttt gagcttggag gctttagtca ttcccagacc        180
caaaatctca atcagaccct cttccaccac ttttttgtgat agatcaataa acattttgtc       240
ttatgggaag tttaactaag agtatcttta aaaagttttg gacaggcgct gtaatcccaa        300
cactttggga ggcccaaatg aagcggatag cttgaacccc aaggaagtaa aaaaa            355


<210> 908
<211> 288
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(288)
<223> n = A,T,C or G


<400> 908
ggtctcacac tgtaatcata ngctcacagc aaacttgaat tcctgggctc aaaacatcct        60
ccctgctcag cctgaagcac gcacagcaac tttttttttt aagtanagat gggatcttgc        120
tntgttgcan aggctggtct ggaactcctg gtctcaagca atcctcctac cttggcctcc        180
aaaagngctg ggattacagg cttganccac tgtgttcagt ctgcncctcc actcctagag        240
cttgtttctg taataaaagc atctatggat gcaatctcta aaaaaaaa                      288


<210> 909
<211> 477
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(477)
<223> n = A,T,C or G


<400> 909
atggagtctc actctgtcac ccaggctgac ctcgactcac aagcaacctc tgcctccagg        60
gttcaagtga ttcttctgcc tcagcctccc gagtagctgg gactacaggt gtcaggcctc        120
tgagcccaag ctaagccatc atatcccctg tgatctgcac ctacacatcc agatggcctg        180
aagtaagtga agatccacaa aagaaagtga aaatagcctt aactgatggc attccaccat        240
tgngatttgt ttctgcctca ccctaactga tcaatgnact ttgnaatctc cccacccttа        300
aaaaagnact ttgtagctcc ccaccttaaa aaaggttntt tgtaattctn cccanccttg        360
anaaagtcnt ttggggganat ccaccccctgc ccaccanana acaacccccct ttgactgnaa       420
ttttccatta ccttcccaaa tcctataaaa tgggcccacc cctatcttcc tttggtg          477


<210> 910
<211> 363
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(363)
<223> n = A,T,C or G


<400> 910
gaaattgtcc ttttcaccta aattttgaat atcttggcat gagagcccaa gtagagtgca        60
gaatcacctg ggttcanacg attctcgtgc ctcancctcc ggagcagctg ggattacagg        120
taatttacac cgactgcatc tgtatggtga aaatatagta taatggggtg ctgctgtgaa        180
tctccttcca attctgcatt ctgtgatatc atagtggtaa cctgaaatcc accatagngg        240
ggacatttac acaataactg gcaaatgcta caaggctggg cttttttcagt tttgttgatt       300
gtctggacat aaaaaggtaa tacagaaaat gttaccaata caagcatttg ggaaaaaaaa        360
act                                                                       363


<210> 911
```

240

<211> 112
<212> DNA
<213> homo sapiens

<400> 911
agaagatggc gaattagaag atggtgaaat agacgatgca ggatttgaag aaatacaaga   60
aaaagaagca aaagagaatg aaaagcagaa aagtgagaaa gcctacaaaa aa   112

<210> 912
<211> 301
<212> DNA
<213> homo sapiens

<400> 912
ggctcaaatg ctccagaatt tctttgtgat aaagacaacg tgtagacgag ttcttgcaaa   60
ccagcaaatc aaataacctc aagtagatct tacagttgaa gaacattgtg gagtgaaatc   120
caaaatactc atttaaggaa ctacaattta aaaatcacta actgggccag gcacagtagc   180
tcatgcctgt aaccctagaa cattgggagg ctgaggcagg cagattgcct gagcctgagc   240
tcaggagttc aaaaccaacc tgggcaacac ggtgaaaccc cgtcactact aaaatagaaa   300
a   301

<210> 913
<211> 241
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(241)
<223> n = A,T,C or G

<400> 913
aatgggccca gggttggctn taaaaatccc cccgggggntt ttanccntgc ccaancgggt   60
aggttttggn ngngttgggct tgctccactt gtcctctgcc agcctacang ganggaaaag   120
caagggctta cagaaangga tggttccttc agggangaa gccagcactt aaaaagcact   180
cttgaggtca aagatgaagt ggggaaacca tctcaataaa cacattttgg gataaaaaaa   240
a   241

<210> 914
<211> 360
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(360)
<223> n = A,T,C or G

<400> 914
attgaaaaaa cccttgggag ctntcanact ttannggccn tttgngaaan nggtctnttt   60
ttggaanncc cntgaacnng ccccccnnagg gagggtcctt tggagtnnnc tttgaaaacc   120
ngnctngctg ggngggggcn tttggggntg gacccatccc agttgagtcc aggccttcca   180
gccntttcca ccaaagcacc aaaaagaata tggggaaggn gcangcttgc ctcanacctt   240
ncagaccaag cctaactggc caccttgaat tggctcggcc aagctcttgt ccaaattcct   300
gacccatcgg tcatggggat ataataaaaa taagntgggt tttaaagccc caaaaaaaaa   360

<210> 915
<211> 103
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature

<222> (1)...(103)
<223> n = A,T,C or G

<400> 915
aaagtccaag ctgaattggc caattctttt gntntntacc ctggaagaaa tactcataaa   60
ccaccntgcc gntgnacccc aatcttcaca agaaaaactg tgg   103

<210> 916
<211> 322
<212> DNA
<213> homo sapiens

<400> 916
agggcggagc caggtgtacg ggatggaaca tgagagcgga ccaggagcgt gaccgctgca   60
ctgacgcttc cgctagacca cagtctgctc ggcgacgggt gtcttcccag atgctggcat   120
caccgctaga ccaaggagcc ctctggtggc cctgtccggg catgacagaa ggctcacgca   180
cttgccttgt agtcacttgt cactcaccat gtcccttcag ctcctatctc tgtatggcct   240
ggtttttcct acgttatgat tgtagagcga ggattattat aatattggaa taaagagtaa   300
ttgctacaaa ctgaaaaaaa aa   322

<210> 917
<211> 174
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(174)
<223> n = A,T,C or G

<400> 917
gactctgggg actcctgctt aagtccaatg nnagggaaaa aactgggcna catnncccga   60
tnttccacca gggagntatg gggattngaa atnttntcnt gggcnccaag ccnttgntnt   120
aaatctntat gctgcacaag atacagcttg agtaaagatt agtaacaaca aaaa   174

<210> 918
<211> 227
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(227)
<223> n = A,T,C or G

<400> 918
tttgcacccc tctccantcn ttcactgnta nactgtannn tcncgagaag acacagacat   60
aggaaaaaca gaaagttttc cgtcgtttga tggcatgggc aggagcagtg gctcatgctt   120
ataatctaag cactttggga agccaaggca agcagatcag ttcaggtcaa gagtttttaga   180
ccatcctggc caacatggtg aaaccccatc tctactaaaa acacaaa   227

<210> 919
<211> 445
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(445)
<223> n = A,T,C or G

<400> 919
ctctgctgac ccgtaccttg taggaggctt ccgagcaaca tnnttgtgaa ccgntctgcc   60

```
aagtacnatc ttgagaagga tttgaaggac aagttgtgtg gccctgacca tagatgatat    120
ctgcttctcg ctcaacaacn nctcaccana catcnacata ttcttganaa ctgctcgtga    180
ggattgagcc aaactccgtg agtctggaag actgnntgnn cttntncagc accnatgtgg    240
ananagctgn caancggcgn ancaacttcc tgatgctgaa agccctgntg gntccnatcc    300
tgtnncagac agncantgat ctgcgcangc ngtgtgatgt ggagnacacn gccttcnaga    360
atgggctgaa ggatacnaac ggatgccttg dacaagctgg ctgatcatct ggcccaagat    420
tgaaggaaac tttagcccat gctca                                         445


<210> 920
<211> 288
<212> DNA
<213> homo sapiens


<400> 920
gtcctgtgag atgtatgctt taaagaggtt ctgttctgat gtgtttccag gatttgtttc     60
aagatttaga gctcctttag cagctcttgt aaaaaaaaat taccaacaaa taaacgtcca    120
ggaccagatg gattcacagc tgaattctac cagatattca aagaagaatt ggtatcaatc    180
ctattgacag tattccacaa gatagagaaa gagggaatcc tccctaaatc attctgtgaa    240
gccagtatca gcctaatacc aaaaccagga aaagacataa ccaaaaaa                 288


<210> 921
<211> 488
<212> DNA
<213> homo sapiens


<400> 921
aatgggcaac gagctgtctt caacacctcc agcttatact cctctggagt gtaatcctga     60
atcactggga ctaccttgac attcagaatc tggaggaaaa atgccagata gccgtctgca    120
gaaaggtttg accaaattat aaaggactgg cttggcctca ggaaggaacc attcattttg    180
ataccatcct acaaccttta ctttgccttt tggcccacca tgccttcatc ctgtacccat    240
atgaaccccg aaccccaggg tccaaaagca gatgagaagg caaggacatg agcagacaaa    300
cagcagaatg gcacacggag gagagaaaag aaggaacatc tgaatgcaga gaggagtcta    360
gctggggatg accaaactcc agaagaagac catcttccca ctccattcta cttccagctt    420
ctcacccatc ccactgagag ccacctctac cactcaataa agtcctgcat tcatccttca    480
aaaaaaaa                                                            488


<210> 922
<211> 407
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A,T,C or G


<400> 922
gtatgggaca aagacaagac tagaagtcat cctaccatcc acccagagac aaatgcacgt     60
ttgacgtctt cctctactct atgtttactt tgttttacgt aaaatgcaga tttaaaatgc    120
agaatgcata actgactgtt cctctactcc ctcctttcac atgtaacatg tggatccagt    180
gaacgctaat caaagcctca caagaatgtg accccttacc tcactgcata tctacctctt    240
ttttttcttt cctgctttcc ccttctgcca ctctcccctt taaatgttga actcctcaaa    300
atcgtctttg gaaaatgcac agggcacaga tcctactgca actgngtctc cttcccaagc    360
gtattcttta ttntggcaaa atnaaccctc taaaatggaa aaaaaaa                 407


<210> 923
<211> 313
<212> DNA
<213> homo sapiens


<400> 923
gacattgtga caaatgtttc ccccagaatc atccggggaa ccacctctgg ccccatgtat     60
ggccctggac aaagctcctt tctgaatatt gagctcatca gtgagaaaac ggctgcatat    120
```

```
tggtgtcaaa gtgtcactga actaaaggct gacttcccag acaacgtaag tgtgatttaa      180
catctaaaac aagggaattg gcataagttg gtgaatgttt atttaaacat ccaattcata      240
ggcttataaa tattaatgtg tatattttat taaagaatct gccagttgct ttgctgatgc      300
atagaaagaa aaa                                                         313


<210> 924
<211> 473
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(473)
<223> n = A,T,C or G

<400> 924
gttggccaca actctgtgcc acatcctctt cattttagaa tccaggatga aggatatgcc       60
cttatctggc tggacatatt tgaagagaga atttgtaaat tggaagatgg aactgaagac      120
aactcttaga gtatggaaca aaaagggcac ttctccttgc tgctgccatg tgaagaagga      180
catgtttgct tccccttctg cataattgat tccggcaaag gagaaagcaa ccctgtgcac      240
ctaagctgag aggggatggg aactgctcac agtgcagcaa caagtttctc tccatcaaaa      300
tctcttcaga aatttctctt ctgtctccac actcttaccc tttaattatt cttgatggga      360
ctggaggagt ctaaaaanta ttggacctag ttngttctga aattttcttt gtaaatctgc      420
atgtgtttcc tggncaaaag gctaaataaa taaataaata aatgctgaaa aaa             473


<210> 925
<211> 489
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(489)
<223> n = A,T,C or G

<400> 925
ataaacactg aactccaatt atttggaaga cactgttcaa gaaaccacan anttgcanag       60
atgantgttg aangagagac ctattgggag gtgaatggat catggagaca gtttcccccca     120
tgctgttctc aggataatga ggtattcatg tctgcatgaa tggagtctac caatatgacc      180
aatccaacga aaaaaaatca gaantgattt caaaaccttt tnactgaggc ntatatnttn      240
aactctgang tgatctctcc ccanaanagg ntgaaattgt cntnnttta caaatgangc       300
anagaaaata nacatgncct gactgtttaa ggctagcgga aaagtgtcna cancctggac      360
accagccggg gtcaagatcc cctgacnggg acaggaagca agganattct gggcaagaaa      420
aagggcgggt nccttggnna ngggccttcc ctttaaggct nggagccatg ggcccaggcc      480
aggaaattt                                                              489


<210> 926
<211> 537
<212> DNA
<213> homo sapiens

<400> 926
tggaacaaag cagcatcatc ccactattcc aggggaggtg ctaaatacga gggtgaggct       60
gtcaagcggt gcctggtgga gtcctacact cacccaaaca gcaacgagac agagcggagg      120
gagaacatcg ataccgtcat gaactggttc accaaggaag actttgacat tgtgactctg      180
tgctacagag agccagataa cgtgagacat cgattcaggc cagaggcaga aacaggaag       240
ttgatgattc agcaactcga caggaccatc gggtatctgg tgggagccac tgagaagcac      300
agcctgcaga gcacctcagc gtcatcatca catgagacca tgggatgacc accgtgaaga      360
agagacccaa tgtcaacaag atcccttgtc caactacatc aagttcggag acttggtcaa      420
gtttgatatt gtgggctacg gtggctttgg gctgcctcta cccaaattgg ggcaagcgga      480
agccctttac caggcactga agaatgcgca ccctcacctt cacgtctaca agaaagg         537


<210> 927
```

<211> 467
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(467)
<223> n = A,T,C or G

<400> 927
```
aaaaaaaaca cctctgtttg catctgtaga caaagatctg ttcagaatgg ttggctttgt    60
gagtttacag ctggccgatg agaggtgctg catgatattg gaagatggga cagaaggaac   120
cagtattctg cagaggcagt tgcatgagca gatatgaaat gtcctggagg ctcccccagt   180
aagctgagga gcacctgctt tcccactata gactgagact actgatggaa gcttcccaga   240
gatttgagaa ttgcagaagc ttctgtgagc tatgaagaac aacgtgactt tgaccttcag   300
actgagatat agctggaggc tgctttgacc ttctttncca cagctctttt tgaccctttt   360
taaancccca aacctatctt taaaaatgac aaatattggg atgcaaagag cagcttttct   420
ttttctgatc atggccttaa tgtaatacaa tagtgaaacc gtctaac                 467
```

<210> 928
<211> 316
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(316)
<223> n = A,T,C or G

<400> 928
```
aaactatgga tctacnacat ggagactgga agattggaaa aaaatcaaca ctgaatgtga    60
tgttcctncc ttctattgtc aagaancctg tgcctntgtg tgtanacagg gtnctgtacn   120
ttgtttagng gggacaccat tcaagangca ataccaataa agtttctaca tgctgggatt   180
caaggtctac agacaagagt gttaccagnt ggnaaanaaa ttgantgccc aaggaattcc   240
ctcccatcat cacaagnnac aaaccttggg tgtcctgggg tattatanna nnacaagntt   300
attatttttt ttggac                                                   316
```

<210> 929
<211> 442
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

<400> 929
```
tgcctgaacc tcctggtggc tctgctcctt gactaccagc cacatttttg atgtaaatgt    60
tggtgctggt cactctttgg gtctgtgctg cctttatgag ctgtaacact caccacaaag   120
gtctgcagct tcactcctga agtcagcgag agcatgaagc caccgggagg aaagaacaac   180
tctggatgcg ccaactttat gaactgtaac actcaacgca aaggtctgca gcttcactcc   240
tgacgtctgt aagaccatga acccaccaga aggaagcaag tctggagatg tccgaacatc   300
agaaggaaca aactccagat aaactgnctc ttaaaactgg gacccttact tgccaggggc   360
ccggggtttc tttnttgaag ngagcaagac caagagctca ccaattctgg acacagcacc   420
attattcaca acagccaaaa ag                                            442
```

<210> 930
<211> 548
<212> DNA
<213> homo sapiens

<220>

<221> misc_feature
<222> (1)...(548)
<223> n = A,T,C or G

<400> 930
gcctctttgc ccggagcatc ggtgttgtgg aggagaaagt ttcccaaaac ttcgggacca   60
acttgcctca gctcggacaa ccttcctcca ctggcccctc taactctgaa catccgcagc   120
ccgctctgga ccctaggtct aatgacttgg caagggttcc tctgaagctc agcgtgcctc   180
catcagatgg cttcccacct gcaggaggtt ctgcagtgca gaggtggcct ccatcgtggg   240
ggctgcctgc catggattcc gggccccctg aggatccttg gcagatgatg gctgctgcgg   300
ctgaggaccg cctgggggaa gcgctgcctg aagaactctc ttacctctcc agtgctgcgg   360
cctcgctccg ggcagtggcc ctttgcctgg ggagtcttct tccgatgccc aagcctntta   420
cccgaggctt actcctccac caggactcgg agtccaaacg actgcccgtc taattcactg   480
ggaagccggg ggaaaaatnc ttttccaacg cccttcctgg tctntnattc caagggtctg   540
gctgatca   548

<210> 931
<211> 553
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(553)
<223> n = A,T,C or G

<400> 931
tgataaagtg ataagattta ttcccaaaac agaagaggaa gcatatgcac tgaagaaaat   60
atcctatcaa cttaagggtc ctcatagaag atcttcagaa aacactggag aagggaagca   120
gcttgcacac ccagagaaac cgaagatccc tctctggata taattatgaa gtttatcact   180
ccttanaaga aattcaaaat tggatgcatc atctgaataa aactcactca ggcctcattc   240
acatgttctc tattggaaga tcatatgagg gaagatctct ttttatttta aagctgggca   300
gacgatcacg actcaaaaga gctgtttgga tagactgtgg tattcatgca agagaatgga   360
ttggtcctgc cttttgtcag tggtttgtaa aagaagctct tctaacatat aagagtgacc   420
cagccatgag aaaaatgttg aatcatctat atttctatat catgcctgtg tttaacgtcg   480
atggatacca ttttagttgg accaatgatc gattttggag aaaaacaagg ncaaggaact   540
caagggttcg ctg   553

<210> 932
<211> 476
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(476)
<223> n = A,T,C or G

<400> 932
cctgcctgca cccaggtgaa atatacagcc ttgttgctca cacaaagcct gttggtggac   60
tctcttcaca cggacccgcg tgacatttgg tgccgaagac ccgggacagg cggactcctt   120
cgggagaccg gtcccctgtc ctcgccctca ctccctaggg agatccacct acgacctcag   180
gtcctcagcc caaccagccc aaggaacatc tcaccaattt caaatctgga ccccactgga   240
aatccgactg tccaacccca cagccactcc cagagcccct ggaactctgg cccaaggctc   300
tctgactgac tccctcccag atcttctcgg cttancagct gaagactgnc actnnctngn   360
atggccttgg aaaactatag gaccatcana gatgctttgc gtaactctta cagtggagga   420
caggaatgtc aggccttttg agcccaagct aagccattat atccctgtg acttga   476

<210> 933
<211> 172
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(172)
<223> n = A,T,C or G

<400> 933
gtacagctta aatgtattga ttgatgcctt atgccctata gcatgtataa aacctaactg   60
tgccctgatc acctgggtca caacgttttc cgggtctcct gaggactgtg tcacgggctg   120
nggtcactca cgtttggctc gaaataaatc tctccaatat tttaaaaaaa aa   172

<210> 934
<211> 500
<212> DNA
<213> homo sapiens

<400> 934
ctgttaacga aacaatcttg actgctttct gaaagccagt gactactgac tacttcaagt   60
aacagctgac ttcacctctc ctttcttcac ctgtgcctgc tagaagagtc tcatcaagtc   120
tccaggactg gcgccacttt ggagtcagcc actggctcat gccatcgttc cctggcctct   180
cacaccttct ccttggactc gggtcctctg agctcacacc cctctacccg ccactgagac   240
acacaatcgt tcctgtggtg ggagcagaaa ggatctactc caaacatcaa agcaacctct   300
cccgacagag gacttcaggc caggttctgc caagccccag ggctccccaa aacaccttca   360
ccaagttcca ccagttccct tgagttgtgc tctcctcatc tgatcaaggg aaacacataa   420
tttccaattc acaggaccat gggaaagtgt cccaaggcca ctactacagc tcatcatggc   480
taaagcccaa cagctgggaa   500

<210> 935
<211> 465
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

<400> 935
aatttttccg agagctcctg gagaatgcag aaaagtcact aaatgatatg tttgtacgga   60
cctatggcat gctgtacatg cagaattcag aagtcttcca ggacctcttc acagagctga   120
aaaggtacta cactgggggt aatgtgaatc tggaggaaat gctcaatgac ttttgggcnc   180
ggctcctgga acgggatgtt tcagctgata aaccctcagt atcacttcag tgaaagacta   240
cctggaatgt gnggagcaaa tacactggac cagcttcaag ccatttggag acgtggcccc   300
ggaaacctga agattcaggt tacccgcgcc ttctttgttg ccaggacctt tgtccagggg   360
cctgactgtg gggccaaaaa attgcaaacc gagtttccaa ggtaattgga aaccgtgctt   420
tntttctcaa atggggggccc tnggtnaatc ggttttttaaa acccc   465

<210> 936
<211> 559
<212> DNA
<213> homo sapiens

<400> 936
gaaaagaatg aagggaagag gaagacagag caacccacag ttccttcttt cagcctttcc   60
tcactcttca gtaagccaaa agtagagagt ggatggagtg ttgctgtgtt gcccaggctg   120
gtcttgaaca cctgcccttaa agcgatcctc ctgcctcagc ctctgaaagt gacccatgac   180
aaatgtaatc caaaaagcct gtgttttat ttcgtaccaa gccctgcaaa tgatgtggcc   240
aacctgcctt gaaatggcaa gaagcccagc ccaaccacat ctgagctcac agctcacagc   300
ccttgatccc ccaccccat gtgacactgg cctggccacc tctccacctc cccagcacaa   360
gaggtcatca ggccccagga cggaacagtt gagcggtcgg ggaatctctc aacctgggat   420
atgccgcctg cctagaagac ctaattccag agtctacatc cagtgggta agtcagaggg   480
tctggacaag ggcctcggcc tctggggttt tttaagtgtc cccatgtccc cagccccgaa   540
tgatacagat gctttcact   559

<210> 937
<211> 320
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(320)
<223> n = A,T,C or G

<400> 937
```
ggacgggggc agagaaattc tagccagaaa agtgtgggtc actgacaaac cgccactctc      60
aagccaaaaa acctgaaacc acaggccaaa gtgagagctt atatacctgt tttcccactt     120
gaatgctgct ttttctcaac cgcccctggc cccgccctgc gccatcctgt gcctattaaa     180
accccagact cagctagtac tgggactatg gctggacgtg ggagaaaagc agcttgactt     240
cagaaggaca gcttaacagc gtaacttcgg agaagaatct ggctggagat ncctgcttag     300
gggaggaatt tctaccctcg                                                 320
```

<210> 938
<211> 341
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(341)
<223> n = A,T,C or G

<400> 938
```
gtcattctac taaggctgga acttaagccc cagggagttt cttggcttag tgaagacttc      60
tagttttcaa cagcgatgag acaaggagtg tctgaattca ttcagcatca gcctccaact     120
ccaccccaca cgtatccgct ggaaattgct gcagccactc caaccttcag caaccacctc     180
cttgatcagt cagcagccat caacattgag gcaagaccct ccaccagcaa aatgattatg     240
acttactgaa ggntcagata atcactctca ctttttggca acaaagtata ttttattaag     300
gngcaactaa aaattctgga tattctgtac aaaagaaaca a                         341
```

<210> 939
<211> 562
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(562)
<223> n = A,T,C or G

<400> 939
```
agtctcactc tgttgcacag gctggagtgc aagtggtgcg atctcaggtc atggcaacct      60
ctgcctccca ggttcaagca attctctgcc tccgcctccg cctcccaagt agctgggatc     120
acagacactc gccactatgc ccggaacttt catcacatgc ttcatctana agaaaaggaa     180
gattaatctg aaatcataac tgactccctc agttcaagca gagtctcact ctgtcactag     240
gctggagtgc aatggcacga tctcagctga ccacaaccat cgcctcccgc attcaagtga     300
atctcctgcc tcagcctcct gagtagctgg gattacaggc accctccacc atgtgcctgg     360
ctaatttttt gtatttttaa gtaaaagaca gggtttcacc atgttggcca ggctgggctc     420
aaactnctga cttgngatct ggctgcctca accttccaaa gtgctgggat tacaggcata     480
agccaccgtg cccagccgan gntttgcact gnatttctgc taaaaagngg ctgatgtaaa     540
gtcccttaca aaacttaatt tc                                             562
```

<210> 940
<211> 564
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(564)
<223> n = A,T,C or G

<400> 940
ctgataccga aagagggagg tgaaactgtt atccatgcat caatgtaagc agtatagaag   60
aggactgcac agaggatgga ttcactgccc ttaaggagtt tacagtccag tgcatgaaga   120
caaattctac tactccaaag gaagaatcag atggacaaga gatcatcatg gaggatggga   180
ggcaggacta gattgcagct ccagacagag cagcttgcgg aggtttgagc tgtgaatttt   240
agctccagat caactccaag aacaatccag caatcctgag aggacccaca gaccctttga   300
aggaagtgga ctgctcctga aggccctggg agacacccca agtactgtgc tggtatccac   360
ggctgagaga cccacagatg gttcacatca tatgacgctt gtgcagacaa ctcccagtac   420
cagcacggag cctggtagac tgctgggtgg ctagatcctg aagagagaca acaatcctgc   480
agtttggctt ccangaagcc acattcataa gaaaangggg aggagtnttc atcaagccga   540
accccacgtg gtacaaaaaa atct   564

<210> 941
<211> 316
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(316)
<223> n = A,T,C or G

<400> 941
atggagtctc actctgtcac ccaggctgga gtgcaatggg cgggatcttg gctcactgca   60
acctccgcct cccaggttca agcggttttc ctccctcagc ctcctgagta gctgggacta   120
cagcaaaata caatgcccag aagcttttgg aaggcagtga cagtggctgt gcaaatgatg   180
atatttacat ctgaagttta aactacttct ttgagatcta ctctgaagat ttacacattc   240
atctgggtta tctcccatgt atacagaagg natacatgtt attaaacttc tttttggttt   300
ggttttcaaa aaaaaa   316

<210> 942
<211> 228
<212> DNA
<213> homo sapiens

<400> 942
taaggcccta gacacaaatt cacctacaca agggattcag tccgtcttag gttctgctac   60
tgacaactct tcttgaagtt cttcaaggcc gtgtgaaaag gaaaagccag ccgggcacag   120
tggctcacgc ctgtaatccc agcactttgg gaggctgagg cgggcggatc acctgaggtc   180
aggagtgcga gaccagcctg gccaatgtgt ctctactaaa aatacaaa   228

<210> 943
<211> 518
<212> DNA
<213> homo sapiens

<400> 943
atgaagaaac caaagccaga gagattaggt cagctattca atgtcaccga ggaagtagca   60
gaaccagaat cctacatcta ggtcctgcac ccaggctctg gacagcaaca cttacatctg   120
caatgaccct aagatgcaaa tggtacagcc attgttttac aaaagaagaa aatgaggcac   180
aagaagagga atgggcctgc ccacgattat ccaggaatcg ggccagatca gaatcaagaa   240
tcatgtcaag ctggaagccc ttggagggct tctatctaat cccactattt agtggccagg   300
gaaactgctg cacagaaggg aaatgcatct tgcacaatgg caacagctag agagcatgga   360
ggggctgtga ttaaacctcc tgggagctgt tcccacccaa cactcacaag gatcctcagc   420
ccttaaggtt ttttttcccaa gagacggggt tgtccccaca atgctctgtg gtcccagaca   480
caagaatagg ctggatgctt ctgcagtcag cttacctg   518

<210> 944

```
<211> 286
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(286)
<223> n = A,T,C or G

<400> 944
tgcctggagc agtgcggggc caccagtgaa cttgaaggct gcatggaagg atccaggcgc        60
tngcttcctg ctaaggtgtt ttgctgagcg cctccatatg gaggacctca tgggagcctc       120
cagaccactc caggaggagg gtaaaaattc tctacaactg cactgaggta caacaaactg       180
cacacatttt gttgtgatgt acgtatacac ccaaaagccc atcaccacaa tcaaaaatga       240
caaacatttc catcaccact aaaattttgc catgccgaaa aaaaaa                       286

<210> 945
<211> 593
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(593)
<223> n = A,T,C or G

<400> 945
aaacctgttt atgcaccctc ctgcaatccc accacctgcc caggccaagt gagcccctct        60
ccgctactgg tgtttcataa tgctgggagc tactttgatt tcatgcattg cccttcagct       120
gccatgttat gaggacactt ggagaaagct acaggagagg aactgaggtc tcctgccatc       180
agccacttga gtgagcatgg gagtggattc tccaaactcc agttaagact tgagatgtcc       240
acagtggcag ccactagctt gactgcaact tacgagagac cctgagccag aggcactcag       300
ttaagtcata cacagtttcc tgacccgtaa aacctgtgac acaatgaagg tttgttgttt       360
tgggggtaaa tccggctatt cagcaataga taacgaatac agaaggcttg taaattgnat       420
taaccaaacg tgagtttatt aagcggatat ctgacctcat ttgtttctn cctggaaaaa       480
agttattagg attnaaaatc aacaaggaac ttggccaaag tccacttctn ttcttctttt       540
tcctttttggg ggggggaaa taaaaccaaa gtttttaatt ttaccaaaaa aaa              593

<210> 946
<211> 409
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(409)
<223> n = A,T,C or G

<400> 946
ataaccttgc agaagacaga caatgatgga aacctcctga ccccttctac ctcttcatca        60
gaaccaaaat ttacctctgt ttcctcctta cgcactctaa taatctgcca tgagacggga       120
tgttagaagt tacatcacaa gaggagggaa tgaagaattt ggtagcactg aggtgctgga       180
agagggatag agagcaccgt gagagcggtg tggaggattg ctgtaatgtg actgtggaag       240
ccaagccagg aggatgaggt tccaagtgca gtaaccttgc tcaggcacaa gatgatggac       300
taaaggaggc actcccaatc actggtaccc catgactctg tntggttaac aaatatcact       360
taaatttaaa ttagccagat aattaaaata agttatgtct ataaaaaaa                    409

<210> 947
<211> 416
<212> DNA
<213> homo sapiens

<220>
```

<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

<400> 947
gagcaaaatg ttccagatng gggctgcttc ttnagcctgc gtnnatggaa tgagaagaca   60
ntggagcaga cccaaagcca gctgagccca gccaagacca gcngagccac agctgacctg   120
cacatttgtg aacaanaatg aatgatgttg gtgtaaacta ccaanattcc nggccttgaa   180
tttgaatgga ncatctgctg agtataatgg acctatttgg cctttttatct cattttttgt   240
gaagctagtc aaatatgtat ccttccacta gggtcagcat cgactagatg gactgggaag   300
aatttcatta naaaatgaga tctcattggg anacgataan gaccaggctt ccaagacaaa   360
gaaataaccc caaacccccg ctcatgagca gaagagcagc agagcggcag agcaaa   416

<210> 948
<211> 332
<212> DNA
<213> homo sapiens

<400> 948
aaaatctcca tggcagcagc tcagctgatt ggatgggaga ggaaatttga ggctgggaga   60
cctcctagac cacagctgaa taagcagcca gatgcatcca gccatcaggt gatacagcct   120
caggctgctc cattccctct ggctctcacg actggcaagc tggagggcca ggctcatgaa   180
attcacatat tcccactgac tgcattagtt actgtggtaa cagatgtcac agaaataggga   240
agtcacagtc atcaacgttt ctatgtccta taaatatatg aacaaatgct caaccttgtt   300
ggtaaacaca taaatattga taaagcaaaa aa   332

<210> 949
<211> 355
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(355)
<223> n = A,T,C or G

<400> 949
gcttaatttt tcctgatcat gagagaagaa cacagatgta gctgaactaa ggagcaaaaa   60
cccggcatca atacctgcta cagcacagat gcagcatgaa aaattatgct aagtgaaata   120
agccagtccc agcagacaac ttgcttttta tttcagaggc ttataggcga atctatacaa   180
ggaaggtggg tggttcccta gggctgaggg aggaagggaa aactngtgaa gatggctaaa   240
tgatgtgggg tttgttttta ggggtgatga aaatgttcta aaattaattg taatgatgac   300
ggcataactc tcgaaaatac taaagttaat gaattctata ctttaaatga aaaaa   355

<210> 950
<211> 408
<212> DNA
<213> homo sapiens

<400> 950
gagaaaggcc atatgaggac ccagcaagaa gttggctata catgggaaga gagaactcac   60
cagaaaccaa ccatgctggc accttgatcg tggacttcca gactccagaa ataagaaatc   120
tacaggagta agtcagctaa gaattctgtt actgggtcgt agaattcagc tccctccctg   180
tgggataatg gaaaaggccc agagacgtgc actgctgtgc taggagaaga tagatcaagt   240
aaatccagca gcaccgacca ggcgccaatg ggatatatgt ggagggtgga gcacaacttg   300
catttctcca aaagatcctg agcagcatgg gtgagcaaag aacatgtgcc aagaatccac   360
acagtcatga gctctaatct gggtatgcca cttacaaagt gaagtatg   408

<210> 951
<211> 292
<212> DNA
<213> homo sapiens

251

<400> 951

```
gcaacatctc agtcagaaaa aacaattagg aacacctcac agtctcttag taaaaggcca      60
tctctgccac agcatggtga ttaggactga tgatgggtgt tggtttttga aacagacaaa     120
atctaagtgt gattcctggt tcgttcctta ctagctgtgt aaccttggcc aagtcacttg     180
aactctctgt gcttaagtaa ttctcacttt ccagaactgt catgaggaaa aatgagattc     240
tccagagtgc ctaatcaata aacaccagct atcgttatca caatcaaaaa aa            292
```

<210> 952
<211> 288
<212> DNA
<213> homo sapiens

<400> 952

```
gtcttcctta atatatgtca gcagtggagt ggtgtgctta aggagagaga gacttggaaa      60
aatacagacc gagaacaagg ccatgtggag atagaggcag agactgaagt tgtaccacca     120
aaggcaaaga atatcaagta ttatcagtaa ccacaggaag ctggaagagg ccaggaaagg     180
tttttcttag agaccttgga aggagcctga ccctggaaca ccttgatttt agacttctga     240
ccctcaaaat tgtgaaagaa taaatttctg ttgttttaag caaaaaaa               288
```

<210> 953
<211> 475
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

<400> 953

```
tcctgaaaca tacccgtgtt taaagatctg ggaggtgcag aggaattatc aaaggaggct      60
gagaaggagc agccagtgag gtgtgtagaa aaacaagata agcaaaaaga aaagcnagag     120
acatggactg aacttccttt ggcaaaaaat ttaaaaaatg ataatgagtc tctagacccc     180
cttcgtggat ggnatcaggt gatttcagcc caccttcatt gcattctctg ctgaccaaca     240
cagctggctc tcacccacta tgaagttaaa ttgactccct ttctgctttt gaaganaccg     300
ttaactgcag cttccgttnt gggaaaccca tttacacatt gcttcctgga tgntaatccc     360
ttgctagtac ccaatataat ggatccatgg aataaggngg catgattagc ccagccattc     420
ccaanggntt tgaaaagccc taactccaaa tttnttgtaa ggtgggaata tctga          475
```

<210> 954
<211> 709
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(709)
<223> n = A,T,C or G

<400> 954

```
aattaaacaa ccccatgtcg agcaaaaagg caaagaccaa gaccacccaa gaagctccct      60
naatggncct cntgcaatgg atganggcgt ggttnacnca tcaccttttg tggagtttgn     120
tnangcntct tctgtgtnnc ttttgantan gancggttct ttgcaagnna tanttgtatn     180
tatgtgctgg gtnnatgang anataactcc acngatcctg gcttngantn angagaggtt     240
gngccncaag ggcccaaana ttgacgntga ngctnntcta atattncttg gtnttggant     300
ccggatactt gataattnat gaaagaaaac ttggnttggt tntgctttag atctaatgcc     360
tcttttttcct attaggtctt ggaagcatac aaactggggg nanggctnaa ctactggnaa     420
aattccttgg gtcaaagctt aatctttttta cnttntaaag ggnataagnt tanncaggt     480
ctcacccntt aataaaaatg ttttgggctg tcttttttgg aactgggccc aggctcaang     540
gttnaattca tgggttggac ttggtttntt tctnggacct tacccncacc tttaaaaaann     600
ggnggttngg atattttgan ncaaaatgcg ccttnttttt gaggggaant tttgccaaac     660
cctttttncc ttttaanntt tttttgctcc acttgaatag gggggttgg                709
```

<210> 955
<211> 673
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(673)
<223> n = A,T,C or G

<400> 955
```
cctactcaac atgaagacaa agacaatgaa aatcttgatg atccacttct acttaatgaa      60
tattgttctt ccaatctttc ctgcttgctg ttttaatgca taattaagaa ggtcagaatt     120
aatgaagcag tgtggagtaa agttcaagga atccccaggc actatttatt ctattagatc     180
tcaggcatga atgtcagatt ggcagcgcag gcggcatgag caatggagct ggcggcatcc     240
caagaacggc cgccaaggga gactcacctg cacagtccag tcactcctca gctccttccc     300
tgcgaaaatc acacgcaact ggtcagccgg aacccctgt cgcttaacaa ccacctcctt      360
gagctggaag atgctggtgt cagaatcgac ctccactggg aaaccatggc tggagttgaa     420
cctgacaaac actgccaagg aaattggaag ggagaagaaa aagtgagcat cactcgaacc     480
cttaaatggt gatggcaaca tttctcaacc cgaattaccc ctcgcagcct tcagtgaatg     540
ctttcatcaa tatcaaccac aattcatcat gaaaatcaag atttattcgn tttggtcact     600
actctatncc catgnctggg acatctagct gctcaataaa taagaatgaa tgngnagcat     660
accacaaaaa aaa                                                       673
```

<210> 956
<211> 262
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 956
```
tgagtctcta tccggaaatc taagagtatc ctntntgtca tcacaaaacc anatgtctac      60
nagagccctg cttcagaggg ggntnnnccn ttggggaagc ccnngatcga agatttatcc     120
cagcaagcac aactagcagc tgctgagaaa attcaaaagt tcaagggngg aagtgtctca     180
aacattcaag aaaacccccc cnntccactt gtnccannaa nggagaatgg aanaaggaag     240
aggtcgntga aacccggggg gg                                             262
```

<210> 957
<211> 301
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

<400> 957
```
ggcttacttt ttcacccang ctggagcaca atggcatgac ctcagctcac cacaacttnc      60
gcctnccang ntcaagggaa nanactgcct cancctccca aaggagntgg gattattagg     120
caggggaacc ctttttnttng gggaccccnc ccggggttgg ttttccctgg ggggcgcccc     180
ctttntacag ggggccgggg cccaaaaaat tnggaggtgg ggttttanaa aaaaccgaaa     240
gaaaactttt tntnncttn ccccattaga aaataacnt tgngaaaaaa ggttttttct      300
g                                                                    301
```

<210> 958
<211> 341
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(341)
<223> n = A,T,C or G

<400> 958
ccggggcttt tggcccaagt ttnnaaaggc taaccatgat cctctacgac atncctnata   60
tcccancntt ntggtgtgag gacaaaacgc ttcctgaaac agggctgggt atcccacatt   120
tntntcaacg ggaaagattn aacctcttat caaaaatttc ggggngggaa aaaagaaaat   180
ttcaattctg gggtggcctt ttnngaaaaa nacngggnan gaattcttnt gacttaaanc   240
ccaacaattg ggnggagaan cctggngggg aaaaagggg gtctcttana aaaaaatntg   300
nggtttttcn aanaaanccc caaaaaccac cccccccggg g   341

<210> 959
<211> 352
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(352)
<223> n = A,T,C or G

<400> 959
tttggggccg tgactcggat caggggacct ccnttgggag atcaatccca tcctcctgtt   60
ctttgctcca taagaaagat ccacctacga cctcaggtcc tcagacccac cagcccaagg   120
aacatctcac caattttaaa tcaggtgaa ggtacgctcg agcgtggtca ttgaggacaa   180
gtcgacgaga gatcccgagt acatctacag tcagccttac gacatttgaa gttctacaat   240
gaacccatca gagatgcaaa gaaaagcacc tccgcggaga cggagacatc gcaatcgagc   300
accggtgact tacaagatga acaaaatggg ggcgtccgaa aaacaaaatg aa   352

<210> 960
<211> 426
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(426)
<223> n = A,T,C or G

<400> 960
tgtgcaatgg tgcgatcttg gctctccgca acctccacct cccaggttca agcgattcta   60
tgattcagcc ttaaaaaaga aggcgggctg ggactgagct catgagggcc tgcagagtgg   120
agacttaaat ccaaggtcag ggcaaaacat ctggagttca ttgccaggac tgtgatgtta   180
cagaaaagga ccgtgaaagg tgcgtgcggg acccaacaca gaatcgtggc catgaatggg   240
ctcgctgagg acattcgaca tcagcggtgc catgagaagc catgccacca gcaacagggg   300
aaagctaccg aancttgccg gagatttaca gatgggagat ggctccaaag atcaacctnt   360
tggtggaaaa aactggctgg atcggcggac tgcttgagcc tgtggatacc acacccacca   420
ctttga   426

<210> 961
<211> 479
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(479)
<223> n = A,T,C or G

<400> 961
aaaaacccgg ttggcctttta ntgaacttcn ttttaaagga gggagtcntg gtggccaaga   60

254

```
aggatgtcca cttgcctaag cncccgnagc ttggcaacaa gaatgggccc caccctttant    120
gtattgaaag gccatccatc ttcccaagtc ccggggcttc cgtggaagga accagtttgc    180
ctgggaaaac atttttact gggtacccctt tanccaatgg aggggtattt ccagtattct    240
tccgggaat tancntttat ttttggcccc ccggaagaat tggtgggcct ggcccaccct    300
ttacgccggn aacccgttcc aaaaanactt ggcanggccc ttcggnccta aaanggttnt    360
gggangggtg anccnaacct ttggaanaac ttaacaaana ngggnaagc ctggccaaaa    420
nattnccta caanancggg aagtgcnttt gncccacctt gggngcccga acaaaaaaa     479
```

<210> 962
<211> 445
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(445)
<223> n = A,T,C or G

<400> 962
```
acagagccca aacttccaag tcntggtcag taggggcatg gcccaataga aaaatgcttt     60
gacatctaac aacacccaga accaatgatt cctccctgtg gtaccaagaa gacctagaca    120
tgatcggaac ctaaatgctg gaactctttc aggagcaaag ggtctgttga ccagaaagat    180
ccaggggtaa aatccacctc aacatacccg tgtagtcaaa tttgacaccc ttcaatcaaa    240
ccctgcccag ccaaaattcc taataccttt ccttgccatc tgnattaagc tggtttcacg    300
ctgctgacca aagacatacc tgagaactgg gcaatttaca aaananggtt aattggactt    360
acagttnccc cgtgggtggg gaaacctcca atcntggcan aaggcaaggg nggacaagtc    420
acatnttaca tggatggcag caggc                                        445
```

<210> 963
<211> 395
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(395)
<223> n = A,T,C or G

<400> 963
```
tacacccgca tgccttaaac aatgtgttat atgacccttg cctccagcct gtaaggctgg     60
agtgcagtgg tgtgatctca gctcactgaa acctccgcct cccggattca agcaattctc    120
ttgcctcagc ctcctgagta gctgggatta cagcattctg gtgacttcat ccggtgtgtg    180
taacacaggc cttccatggt catgcgaaca caatgaaatg atgtcattcc ccggcatccc    240
tggcccagcg cccacggttt ccgacgatgc ttcaaccntt tctgaattgg ccaggaangg    300
ggtanggcct tggcctctcg ctgaatggnt taattgaaag acaagtggat gccaacgcat    360
canaagcttc tttcctttg gtcatcccaa tgaaa                              395
```

<210> 964
<211> 529
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(529)
<223> n = A,T,C or G

<400> 964
```
atttgaatat taaattataa cagatgtgca aaaataaaca gagatccacc accgaaacaa     60
gctacccctc cacaaaactg ccagctttgg ggaaaaccag tgtccactgt tccacgtcct    120
tgtcctaaac tcttataaaa caacagattc acattccttc ttgacctgtg gttgtttcaa    180
catccggaga ggccaatgaa ggaagaagaa gagctctaga agtgcctgga ggggtctcca    240
cgctcccgct tgggccactc ctcgtccacc cacctgcgca gaaccttctc cacgtcggcc    300
```

255

```
ctgtggtaga gcctgcagag ctccatcagc tggccaccgt cctctgactg ttccggagca      360
agaactccaa ggnggggtct gtggcctctg ctccaggaag cacaattcgt cataggacat      420
cccccatttg cttgcaaaat tcctncagnt tttcaccggt gggtgacacg gatccagctt      480
tatnctgatc acgtctagct cccttgaagn ggggccacac cccccgggg                   529


<210> 965
<211> 453
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(453)
<223> n = A,T,C or G

<400> 965
aattatattt tcatcttttg ggatttcaac acttgagatt atggagttca agttgtattt       60
ttctggatta taataggctt tcttctaaaa tcaatctcag ttgataactg gaaacaagca      120
aaggagtttt tctacagaac acattgatga gacactctga gaacatcaaa gctctaataa      180
aaagaagttc caccttacat tgtcatcgag ttgaaggctg tcttttcagc tttaaagaga      240
tcctacatgg tctaagcctt ttgaaggaag ggccttatga tcatatactt tctagatcag      300
agagatatat tctggaaaat gnggaaactt tggcttcaaa atattaattt aaatttgatt      360
catgagaata atggcatctt ttttttatga aacagaacta tataactggt atagtttgcc      420
atcaaagttc atatgttgga aacttaattc cca                                    453


<210> 966
<211> 281
<212> DNA
<213> homo sapiens

<400> 966
atgatgtcac ttgctcctat ttgccttctg ccatgactgt gagacctccc cagccatgtg       60
gaactgaagt accgtgttcg gaggcaaaaa gtgagctgtg ggaagacaga tgctcccaga      120
catccatttc ccaaccattg cttcctgaac atcaaggtcc tggatcagtc tccacggaaa      180
atactcactg actcctccca ggatgaaagt gcccacagtc aacatctgga tgtgaacgca      240
ggtgttcata tgataaccca ttacctgaag ttcataaact g                          281


<210> 967
<211> 113
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(113)
<223> n = A,T,C or G

<400> 967
gaggagtgag aagagctgtg gctgccaaag gtcatgggga tacaggggga gatggagatt       60
tanggcaggc ccctctggac cttccaccgn anccattntt atcttttgcc aac             113


<210> 968
<211> 243
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(243)
<223> n = A,T,C or G

<400> 968
cacaccgtgt agcgagagga gaccacagac tcccctgana gggcnagggg gcnnnatagn       60
```

```
ctgggactga attgtgaagg ctcccatgac agacactgtn aggcctctga tcccaagcta      120
atccatcata tctcctgcga cctgcacata tactccagtt ggcctgaagc aagtgatgaa      180
tcncnaaatg ggttgccact ctgctgctga agattcccat ggattgtctg ccgacttact      240
gac                                                                    243

<210> 969
<211> 458
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(458)
<223> n = A,T,C or G

<400> 969
acccaggaca aggaggactc cttcgagaga ccagtccccc atccttgccc tcactcggtg       60
aggagatcta cctatgacct caggtcctca gaccaaccag cccaaggaac atctcaccaa      120
tttcagatcg gatcttctca gcttagcggc tgaagactga cgctgcccga ttgattgcct      180
gggaagcctc ctggaccatc acagacgcct tgggtaactc ttacagtgga ggacaggaat      240
gtcaggccgg cctctgagcc caagcatgca tgtatacatc cagatggcct gaggcaactg      300
aagaaccaca aaagaagtga aaatggctag ttcctgcctt aactgatgac attaccttgt      360
gacattcctt tttccggaca gngagtcttc cggagctccc cactggagca ccttgtgacc      420
cccgcccctg cccgcaagag aacaaccccc tctaactg                             458

<210> 970
<211> 232
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(232)
<223> n = A,T,C or G

<400> 970
aatgaaatgc caactncact tatcagttnt caccngaaca gnnctnanat ttgcnaccna       60
ctggcctgac tttgcctccc gtctggtgga ccagaactac tacgagntcn catgagctgc      120
tccccaatcg acaagggcct gaagaaagcc tctgcttctt ctggggcaan tncatgctct      180
catctnaagg acnngatgga tatngatnca aaaggcgggc agacccccaa aa              232

<210> 971
<211> 406
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(406)
<223> n = A,T,C or G

<400> 971
gtatgggaca aagacaagac tagaagtcat cctaccatcc acccagagac aaatgcacgt       60
ttgacgtctt cctctactct atgtttactt tgttttacgt aaaatgcaga tttaaaatgc      120
agaatgcata actgactgtt cctctactcc ctcctttcac atgtaacatg tggatccagt      180
gaacgctaat caaagcctca caagaatgtg accccttacc tcactgcata tctacctctt      240
ttttttcttt cctgctttcc ccttctgcca ctctcccctt taaatgttga actcctcaaa      300
atcgtctttg gaaaatgcac agggcacaga tcctactgca actgngtctc cttcccaggc      360
gtatcctnta ttntgggcaa ataaccctn taaatggaaa aaaaaa                      406

<210> 972
<211> 283
<212> DNA
```

257

<213> homo sapiens

<400> 972
```
ctatttaatc ctcacgtcaa ctccagagaa gacgaagaaa ctgagggtta gaattcagtg      60
acacggttaa ggtcacaagc tgacagggtc tcatgctgtc acctaggttg gagtgcaatg     120
gcatgatcac ggcttactac agcttcgact tcttgggcac aagtgaccct ctggcctccc     180
aactagctgc gactacaggt gcgtgccacc gcacccagct aaactattga ttttctagtc     240
agaaataaca ataaagattt tcatgtcaga tgtaaataaa aaa                       283
```

<210> 973
<211> 322
<212> DNA
<213> homo sapiens

<400> 973
```
atgcacgaaa ccacgaccaa gagagaagaa gagatttgtc caagaacaca tgcaagtagg      60
cccttgccag aacctggagc cctccagaac ggaagaagaa agtactgttc aaatcaggga     120
cttgactccc acaagactcc cacaagagcc cggagtctta agtggacaat gagccgttta     180
aaaccatgca caggccagtc gcggtggctt agcccgtaat cccagcactc tgggaggcca     240
aggagggcag gtcacttgag gtcagaagtt cgagaccagc ctggccagca tggtgaaacc     300
ccatttctag taaaaataca aa                                              322
```

<210> 974
<211> 449
<212> DNA
<213> homo sapiens

<400> 974
```
gctggagtgc aatggcacaa tctcggctca ccacaaactc cacctcctgg attcaagtga      60
ttctcctgac tcagcctcct gagaagctgg gattacaggc atgcaccacc acacccagaa     120
atgaggaaac cattgaaaac agggattgaa gaacttgcca agggaatgct tggacaaaaa     180
aatgaattag tttcctgaaa tccatgtgac tcaaacaatg agaagaccct caacccatcc     240
taataaagaa atgagtccaa cgtgcagttt cggaagactc tggagaggga gaagcagtgt     300
cagccacggt ccttccatac tctccatgag cgaaccatgt ggtcttcata aaagaaccct     360
ttccagcaga tgcactggtc ttctttcttt acaagtcaag aaactgaggc ccagggaact     420
caacttgccc aaggtgatgc aaaaaaaaa                                       449
```

<210> 975
<211> 346
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(346)
<223> n = A,T,C or G

<400> 975
```
agccagaagg ctggagtcac tgccagagag agagagatag aaagagcaag agagacagat      60
tnttatgggg gctattaaat ttgtntttta cacacacaca cacacacacn cacacacaca     120
cacacacncn cttgtgngat nttgtcaggc ctctganccc angcctgcan ntatacatnc     180
agatggcctg angcatatga agantcacaa aagaagtgaa cntgggtgga tcctgcctta     240
actgannaca ttnccttgag aaaagacttc tnttgnctca aaagctcccc cactaagcac     300
nntgngacct ccgcccctgc ccancaaana acaaccctct ttgtat                    346
```

<210> 976
<211> 386
<212> DNA
<213> homo sapiens

<400> 976
```
gtatgggaca aagacaagac tagaagtcat cctaccatcc acccagagac aaatgcacgt      60
ttgacgtctt cctctactct atgtttactt tgttttacgt aaaatgcaga tttaaaatgc     120
```

```
agaatgcata actgactgtt cctctactcc ctcctttcac atgtaacatg tggatccagt        180
gaacgctaat caaagcctca caagaatgtg accccttacc tcactgcata tctacctctt        240
ttttttcttt cctgctttcc ccttctgcca ctctcccctt taaatgttga actcctcaaa        300
atcgtctttg gaaaatgcac agggcacaga tcctactgca actgtgtctc cttcccaggc        360
gtatcctcta tcttggcaaa ataaac                                             386


<210> 977
<211> 394
<212> DNA
<213> homo sapiens


<400> 977
agacaagatg agactcattt tatccgtgaa cccaaaactc cggcaccagt catggactca         60
ggaagacagt cttcgcttgg tgtttaatca ctgcggagac acctggttga ttattcactc        120
acatttcaga ggtgtctgat caccgtgggg gcgcctgcct tgatccttca cctcagtgat        180
ggcctgaagc aagtgaagaa tcacaaaaga agtgaaaatg gccagttcct gcctcaactg        240
atgacatccc accattgtga tttgttcctg ccccacctta actgagcaat taaccttgtg        300
agattccttc tcctggctca gaacctcccc cactgagcag cttgtgatcc ccgcctctgc        360
ctgcaagaaa aaaccccct ttggctgtaa tttt                                     394


<210> 978
<211> 465
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G


<400> 978
ctcatctgac cgaacataaa gccttggaca tctagcgcga ccacctgaga aagccacctc         60
cttcgcaccg ggcttcctta gagcaagatc ccaggaggtg aagtgtctct gggaggcccg        120
gagcccgtcc ttcatcagcg gcccagcttc tcttggagag aatgtgacgc gccctcttgt        180
ggccgaatgt ggtatctccc atcgtgggct tagggcccga cccgccactt tgatgctttc        240
tttgctcggn gacattagcc taatacgtgt taggctttat gccgggaaca gggaacacag        300
acaggatcaa gaaatggcct ttttcctcga tgatttcatt tctaagtttc aagagatagc        360
tacataaggn aaataattaa gcttttaact ggaatgggga ttgnaataca agaccctcac        420
aagagcaaag cttnatatat tgggaagggc cctcttaagc tggat                        465


<210> 979
<211> 358
<212> DNA
<213> homo sapiens


<400> 979
ggtgtaatct aaactcctca gccaggaata taggcccttc ctgaactgac cttccacagc         60
cgcagctgta tggcctcctg gccccatgtg cctgccgtgt accgtcgttc ttctgtgtga        120
accgatcttg ctctcctgga gtctctctgg cgttttcttt gttattcagt cccagtcctg        180
cagtatcctc cttgcctctg gactctcccg tcttcctcca agtccatgga gtgccctgtg        240
tagactgtca agaggccaca aaaccaagtc acagagctga caaccatccc caaagtcaac        300
cagcacagca gattggagag tgggattata ttaggaaggc ttaatcccca aaaaaaaa         358


<210> 980
<211> 387
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(387)
<223> n = A,T,C or G
```

<400> 980
gaggcagagc aagacggctc aatagaagcc tccactaatt gtcctcccca ctggaacacc   60
aaattgaaca actatccaca caaagaggca ccttcgtaag aaccaaaaat caggtgccag   120
acagaaagtc atctctctgc tcaactgaga caaatgcaga ttcattgagc cagactaagg   180
cataagtgac tattcctcta tgttccccaa catgtaaatt gtggattcag tgaaaggctg   240
attgaagagt cagaagaatg taactttttg tctcttatct acctggaacc acaccttatc   300
tacctggaac tgtcccctcc ctgcccccc aatcctgccc tgttttgagt tgncctgcct   360
ttctggacca aatcaatgca catctta   387

<210> 981
<211> 400
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 981
aacatgatgt ctgatctgaa agcatgttgt ggnccncttc ncncnagaac naaagaagag   60
cnngaaggag cttaatgccc agggcntatc cccaggaaga aaaccncctc ttaaggctgc   120
agcttttaaa acaggccnng tcatttcagg aaccgctgct tccttaaccc tgccngacag   180
aagggggtt aaaaaaggac tgctggccct tgtattccaa ctggccccaa gtgctttctg   240
ccnttttatt aacatcaana tggcttaccc aatngatngc ttttaanaat ggatggtaan   300
ttaacanttt ttntttttaa ngggcccca angcttgggt tggggngccc ccagacaaaa   360
ttaaccccac ananttaaag aagtggtggg agaaaaaaaa   400

<210> 982
<211> 329
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(329)
<223> n = A,T,C or G

<400> 982
ggaacaagaa tacttggaca caattcaaag aacaccatca gatacctgag gtctagcttc   60
tggtcccaaa tctgtcattc agaagngngn aacttggcca tttggttgga atctcactgg   120
attttatttc tgtcaagagt aaaattaacc aggtaagaat tatgccgaga catagaagta   180
cctcaaaaag tggtggaggt aataagctgc aaagttggaa cttgaatcac ggacctcaag   240
ctccaaatcc agaattcctc actttccccc cgctacctga tacagaactg gagaaaaata   300
aatttgattt aattaaagtg caaaaaaaa   329

<210> 983
<211> 370
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(370)
<223> n = A,T,C or G

<400> 983
gtggggtctt tcattatgca cgtatacatc cagttggcct gaagcaagtg aagaatcaca   60
aaagaagtga aaatgaccag ttcctgtctt cactgatggc attccaccat tgtgatttgt   120
tcctgccgca ccttaactga gcgattaacc ttgtgaaatc ccttctcctg gctcagaagc   180
tcgcccactg agcaccttgt gatccctgcc cctgcccgca agagaaaaat ccccctttgac   240
tgtaattttc ctctacccac ccaaatccta taaaacggcc ccacccctgt ctcccttcgc   300
tgactctctt ttcagactca acccacctgc acccangtga ttaaaaaagc tttattgctc   360

260

acaaaaaaaa

<210> 984
<211> 478
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(478)
<223> n = A,T,C or G

<400> 984
agcacgtctc tgctgtgacc agcacaagtt caagctcctg gaatgataca agagacatct   60
actgctcttg gaggtcatcg ttggaagggg aaaaggaaga cagctagtga atgtagaaat   120
tcactgtgag ccacatactc cagcactcta tcctcgtaat tgtgtacaga gtctggctgc   180
agtgcagtgg tatgatctcg gctcactgca acctctgcct ccctggttca atcgattctc   240
ctacctcagc ctcctgagta gctggagtta caggcaccgg ccaccatgcc tggctaattt   300
tttggtattt tttagtagag acagtgtttt accatgctgg ccgggctagt cttgaactcc   360
tgacttcagg tgatccacct gcctcagcct cccaaagtgc tggaattata ngcatgagcc   420
accatgcctg gccaaaagta aattttaat aaaaatttt attggagatg aaaaaaaa   478

<210> 985
<211> 487
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(487)
<223> n = A,T,C or G

<400> 985
gactctgaat ttaagtactg ctaatctacc acattacccg ggaagctgca ttcaagaaca   60
acatttacag attctcgaat gagactacaa cctcccacaa gagatattat ttactgtcat   120
ttatgctagt gggtatttta ccctttattg ctattatata tggngtgaca tcaaatttcc   180
cccaggaaag aagattttga tttccctcat ttaaaggttc ctcttagctg ttctgtcagg   240
gacgtacatg cttgntaagg tttctcatct tctacaggct cgctgtggta ttctgccaca   300
tacaggctct tatcaatgtt gctcggaata ggtttaattt ctggtcccag ctgctcctca   360
atactttca agggtggaag cggatcatct tttggggganc aagnngatgg ntaancccan   420
aatgaccaaa gcgacctaaa aaacatgcgt ttaaaaattt aatgaataaa atatggaaaa   480
tcaaaaa   487

<210> 986
<211> 429
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(429)
<223> n = A,T,C or G

<400> 986
tagaagcctc cactaattgt cctccccact ggaacaccaa attgaacaac tatccacaca   60
aagaagcacc ttcgtaagaa ccaaaaatca ggtgccagac agaaagtcat ctctctgctc   120
aactgagaca aatgcagatt cattgagcca gactaaggca taagtgacta ttcctctatg   180
ttccccaaca tgtaaattgt ggattcaagt gaaaggctga ttgaagagtc agaagaatgt   240
aacttttgt ctcttatcta cctggaacca caccttatct acctggaact gtccctccc   300
cgcccccca atcctgncct ggttttgaag ttggcctgnc tttctggacc aaatcaatgc   360
acatcttaca catattgatn gatgnctcat atcttcccta aaatgngtaa aaagtgagct   420
ggaccctga   429

<210> 987
<211> 323
<212> DNA
<213> homo sapiens

<400> 987
gaggaagaca gagaatctag gaaggtgcca gggatgattt ctcatcccaa agccctggga   60
gaaatcccat ctctgggcaa gaagagaatc tgaacgcaaa tggatgaaga tgctaatgag   120
gctcagatga tgagagcaca ctaggctcac agcatgctga caaatccgga aacaggctat   180
gcttccctcc cgccttccta agacttcagc taagacactg cacatgcccg tccctctgca   240
ggaaggccat ccacagttat atcttgcttt aaaaaagcaa aactttgaaa aataaaatgt   300
acaaaattgg gtaaaaaaaa aaa   323

<210> 988
<211> 290
<212> DNA
<213> homo sapiens

<400> 988
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg   60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta   120
ccacgcctgg ctaatatttg tattttttgt agagacgagg cttcaccatg ttaccccggc   180
tgatctcaaa ctcctgagct caagcaattc tcccaccttg gcctcccaaa gtgctgggat   240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagccc   290

<210> 989
<211> 244
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(244)
<223> n = A,T,C or G

<400> 989
tcaacgagga gatccagact gtcttcacaa gtacatgaag ttcttcnaga aggcagcact   60
tgaccgtgca aaaaattgtt gggaagnggg gggcccnnaa caactgattc aagaaacctg   120
tcngagcttg ctggagcaag cttaactgnt nttttttgaa ngggaaaaaa gtnatacccc   180
caantgcccc tgagctttcn ngaataaaaa cggggggcgc cnggccaaaa aaaaaattgc   240
cccc   244

<210> 990
<211> 446
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(446)
<223> n = A,T,C or G

<400> 990
ccgcgagacc acgaacccac tgggaggaac gaacaactcc agacgcgccg ccttaagagc   60
tgtaacactc accgcgaagg tctgcagctt cactcctgaa gccagcgaga ccacgaaccc   120
accagaagga agaaactccg aacacatctg aacatcagaa ggaacaaact ctggacacgc   180
tgcctttaag aactgtaaca ctcaccacga gggtccgtgg cttcgttctt gaagtcagtg   240
agaccaagaa cccatcaatt ctggacacgg catgatctca gctcactgca acctctgctt   300
cctgggctca aagcaatttc cctgccccaa cctcctgagt agcttngaat aaanaaacca   360
caaatgggtt ttnttttgct gacagggctg ctcctgngtc ctnttnattc ctggactcag   420
tctgaaaggg cggccatcag acttct   446

<210> 991

<211> 442
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

<400> 991
```
ctcagcaaga gggcatgnac atggngccca tacgcatgct aatatncaaa cttattcaca      60
tgnttaaaac tgattactgg gcccaccaag gaaccccca  tatggagacg tttaccctgg     120
acacatnaan tgaaaggggg gggnccccnc agcattttac aaagagttct gacctggatg     180
gggtaaacct caagtgcact ttttttnttg gtggcctcag tattnctgga ttgaaagaaa     240
tgctgcttct tgntagggag gggtcatttc acntatcttt acttaccact ttcatacttc     300
aaagcactgg ggaaaatttc aaggggggg gtttttttt  ggaaanntna aacctttcng     360
ttttttttt  ggccataaaa ttttctggg aattncaaat tttttttta aattnttttt      420
catnaanccc cctatttgga gg                                             442
```

<210> 992
<211> 454
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(454)
<223> n = A,T,C or G

<400> 992
```
ttgctcaagg gtcccgctgg catctggggt gtgctcgcac ctgcgaagga tccagcttct      60
agggagcacc gcgagctgtt ctttgttcaa cacgccaaga acctggacac tcttcactgg     120
taacatattt tggcaagcca accaggagaa aagaatttct gcttggacac tgcatagctg     180
ctgggaaaat gaacaccagt gttgatttgg aaacgaatta tgccgagttg gttctagatg     240
tgggaagagt cactcttgga gagaacagta ggaaaaaaat gaaggattgt naactgagaa     300
aaaagcngaa tggaagngnc tcaccaagct atgggggccc tgntnccaat ttttnggngg     360
gggnnnggnn ccaagggctt naaatttgga aaatgaanac ntttttttt  ttttccaaaa     420
gatgggattg ggaccttgat ttttgggaaa aatt                                454
```

<210> 993
<211> 330
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(330)
<223> n = A,T,C or G

<400> 993
```
atgggaccat ttaagttgca ggaaaacaaa gcgaagggct cccactgatt ctacactccc      60
actgattcta cattatggta ataggaatgc gtggagacgt tattccacag gagctcttct     120
tttacctaaa tgtgttgcgg gtggtggccg ggtccaatga aaaagnnctt ncntggtttt     180
tcnttnncnt ttngccttna tggnaagttc cngnaggctt ctgnagnnca ttggtgnaaa     240
aaaaagggac ctgatgtatg tgaaatactt ancataggcc ctgttgtgca gcaggcactc     300
aataaacgtt agttgaatgt gaaaaaaaaa                                     330
```

<210> 994
<211> 253
<212> DNA
<213> homo sapiens

<400> 994

```
gttgttccta cttttggccat tggagctctt tccagttagc ttctcttcct tggacagctt        60
ccatacgttt ttgagcactt ccttatttct gacaccagaa gatgactcag gcttgacttg       120
tattctcccc gtccaacaat ggaatctgcc atttctccaa ggagccctga ttccttttat       180
ttgagcgtgg taccgtagaa gctgagcaac tttttatctc tttctaataa atgctaattc       240
aggaaaaata aaa                                                          253
```

<210> 995
<211> 549
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(549)
<223> n = A,T,C or G

```
<400> 995
ttttgagtgg tgtggggagg agaagactgc cctacgttnt tntccactgc tgagaagccc        60
actcagaaga cttttggag cacagacgcc tctggctgcg gcatatagca ctcctggcct       120
cccatttgta gttcctgggc ctgggggaat gtagcccacc ttaaaagccc agtgcggtct       180
cagaaggcta tgaagtccag aagagagaga atcccagctt ggtgtggagg ctccaagatt       240
gatgggcaat gtcctcacaa ttggggccct cagcgatgtc ctcctggaat gcgttactgt       300
gccacttcac ctgtggagga aggcagaaag aagacacagg gcaggcagac tacacaggtg       360
ccaaggggca ngcacttgtc cacttgtgan gctgtacatg aagcatgatg ctgccagcat       420
ctactttatg gaangacctc aagaagcttn ctctcatggt ggaangcaaa aggggggagca       480
ggtgtgtcac attggcaaga aatgggnnca aganangagg aagtaccngg cttctttttaa       540
caaccaact                                                               549
```

<210> 996
<211> 572
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(572)
<223> n = A,T,C or G

```
<400> 996
attacttcat tggagggaaa atgaatcgtt cctcaaatgt accacgtaaa ggtattctga        60
aatcaggtac aagatcctta caaaaagttt gcagagtaca tttcgcaaat gcacgaaatg       120
caagatcatt actatcaatg cttaaagaca tttcagctca ataatacag agggcttggt       180
tatctcatac aaacaaaatg atatttcgac tcctaaaaca cgcaatttgt gcagcggaat       240
tctatgtaac acatgaaata ctgaagaaag tggcccccctt agaggctaag cttattaagg       300
atcctactat gcagtgtaaa attagattca ngtaatgtat ctatgctgat ttatttcaag       360
aagtacttaa gttaatatga ggaaatctta gatatggatt ttttaaattc ttgnaacttc       420
tcagacctaa ttacaaagta aatggggtat tcttatttac atttggtatg naaaagaacc       480
cgagcattga ctcttgtggc taaaagtgcc atgggagtag ctctcatctc ccatctgnat       540
cagccttaca caggtatgaa aatagtggga gt                                     572
```

<210> 997
<211> 141
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(141)
<223> n = A,T,C or G

```
<400> 997
tcctttgaga gctgtggggc tgcnacttcc ttngncctgt gncanntggc agatcaccct        60
gccttgancc aggacnccna ggtnacctnc ctttccccag atgccataca ggacactggn       120
```

264

```
tctctcattg ccatggacac t
```

```
<210> 998
<211> 554
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(554)
<223> n = A,T,C or G

<400> 998
gcttcccagc tggcgtgtat gttgtaaaga gagttcttca gcttcagcgt catcatatta        60
ctctcaagat gacaactgcg cactagaaaa tgaagatgta caattccaga aaaaggatga       120
aagagaggga cctatcaatg ccgaatcatt gggaaaatca ggttcaaatt tacctatttc       180
tccaaaagaa cataaattaa aagatgattc tattgtggat gtacaagtaa gctatgtcgc       240
tttgattttc aataatatgt catttcaaac tactttacaa gattgaaaac ctttggtcac       300
catattgtgt gtgtattatt aagnttttttc actttgaggt actctgtaac tggacttaag     360
attacttacc tgctaatagt actactttttg agaacatgta aaattacaga taataataaa      420
tgtgactagt ctcttggtag taaaagtttg agtataaatc ctcatttctt cctcgggtct       480
attttggttc attatgatgn atcttgnctc ttcagatttt cagntggtaa anaaattttt       540
ttctaacctg acca                                                        554
```

```
<210> 999
<211> 184
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(184)
<223> n = A,T,C or G

<400> 999
tccataatga ccaccactgn attgcancac atggaaatan atgggttact gagtnagcca        60
cantatttga ttaggncctt gtaaccctgt cgnggtggga ntacnccaag ngtnaatttt       120
gaaaaagggg gggggantcn ctaagngcaa ataaaaattt tatattgacc acttcaaaaa       180
aaaa                                                                   184
```

```
<210> 1000
<211> 570
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(570)
<223> n = A,T,C or G

<400> 1000
ggagtggctt tacttgctgt gccatgaaat gctgaatcct tattacgggc tcttccagta        60
ttctacggac aatatttaca tgttgcaaat agatccggat tcttcaatca accccgacca       120
cttgtcttat ttccactttg tggggcggat catggggctg gctgtgttcc atggacacta       180
catcaacggg ggcttcacag tgcccttcta caagcagctg ctggggaagc ccatccagct       240
ctcagatctg gaatctgtgg acccagagct gcataagagc ttggtgtgga tcctaaaaaa       300
cgacatcacg cctgtactgg accacacctt ntgcgtggaa cacaacgcct tcgggcggat       360
cctgcagcat gaactgaaac ccaatggcag aaatgtgccn gtcncagagg agaataaaga       420
aagaatacgt cccgggtgta tgtaaactgg agggttatga aaaggaatcg gaacccaatt       480
cttactctgc aaaaaggggt caatgaactc atncctcaca tctggttgaa accctttttga      540
ncaaaaagga actgggagct gatcattagc                                        570
```

```
<210> 1001
```

<211> 544
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(544)
<223> n = A,T,C or G

<400> 1001
atccatgcaa ggctggactt aaatgcttct gggcagaaat ccggaacaat aaggaggctc   60
atactgtcaa cttttctact ctcatcgttc ctgttacaca atgtctgaaa gaaaacattt   120
caaacattac atcaagttct tcatttgttt cttctataag ctgagaccat ccttgaaata   180
gactcacttt ggtgtaatca acacttctct ttcctgccat cttgtgaaga aggacctgtt   240
tgcttcctct tctgccatga ttgtaaactt cctgaggcct tcccagacat atgaaactct   300
gccttgtgaa gaaggacttg cctgcttccc tttccaccat ggttgtaagt tccccgaggc   360
cttcccagcc atgcagaact atcaaacttt ctatccgtga actcttnctt ctatgcaaaa   420
ttgaagctct gaccccacat ttttcttctg cactgcccta gcagaggttc tccacaaggg   480
cccccactgc tgcagcaaac ttctgcctgg gcattcaggc atttccatac atcctctgaa   540
atct   544

<210> 1002
<211> 489
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(489)
<223> n = A,T,C or G

<400> 1002
agctgcgaag gtctgctgtg gctttgctcc agaagttagc gagactgtga accaccagag   60
gaacaaacga ctctggatgc gccacctgta agagctgtaa cagtcactgc gaaggtccgc   120
tgctttgctc ctgaagtcag caagaccacg aacccatggg aaggaagaaa ctccagacag   180
catatttaag aactgtaaca ctcactgggg tggcttcatt cttgaagtca gagagaccag   240
gaacctgccg gaaggaacca gttccggaca cagtatcgct cttatgcctt tgcatcctca   300
tggcttagct cccacttatg agtgagaaca cacaatgntt ggttttctat tcctgagtta   360
cttcacttag aataatagtc tccggttcca tccaggttgc tgcaaatgcc attaattcat   420
tccttttttt atggcagagt agtagtcttt tttttctttt tgagaccgag tcttgctctg   480
ttgcccagg   489

<210> 1003
<211> 470
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(470)
<223> n = A,T,C or G

<400> 1003
ccagccaaca gtagtagctg aaaagcgaga gcacactgat gaagaacact gcgggcacaa   60
agaaaaggaa aagtatgtgg agctttgctg tgtatctctc agttcattct actcactaga   120
acgtggcgtt ctcaggaatt gacgtcctcc aggcccccan atgagggtag tgagcaccct   180
gagagccagc tggactcccc tcttggtgtg ttactgcaca gccacagcct ctgggtaggg   240
gaagttgtcc tgcacttctg gaatcatctt tttgggtcat ggnggctact gcttgtactg   300
tccttctgag gtcaagtgaa gatanggatg ttcacaagcc tncccttgaa aaggaaacaa   360
ganactttnc caaggttgat nggaaaaaac caantttgtt ccnacagtgc cccaaaacca   420
tatcctgggc ttgggggtta aaaacatcct tgcaacaaaa gaggtaaaaa   470

<210> 1004

<211> 346
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(346)
<223> n = A,T,C or G

<400> 1004
tagagacggg gtttcaccat gttaagccag gacggtcttg atctcctgac ctcgtgatcc   60
gcccgcctcg gcctctcaaa gtgctgggat tacaggcgtg agccaccgcg cctggcctca   120
agtggaatgt tctagaaggc atatgatgtg atcttgcaac agattgaatg cagaaacaga   180
gatgagcgtc cagccatctt ccattaagcc agattttaag agactttcaa aaatgtgtaa   240
caatgctact cttctcacaa attatttttg gtttgggaaa atatattta aaatatgttt   300
gcattaatat agaggtnggc tattttactt tgttaattca taaata   346

<210> 1005
<211> 112
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(112)
<223> n = A,T,C or G

<400> 1005
gtgtcatttg gggagttttg ccattacaca gggttcttgn naacancagg atnctagnct   60
gatcaatgca cngagtnctg tncctctact tcactcaatt accctactca tt   112

<210> 1006
<211> 547
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(547)
<223> n = A,T,C or G

<400> 1006
ccttctacag ccttggaaag cagctcaagc caacaatata aagagtctct gcctctctca   60
tccaggatgg agtgcagtgg cactatcaca gctcactgta gactcgaact tgtgagttca   120
agtgatcctt ccacctcagc ctcccgagta aatgagaata caggcatgtg ccaccaggca   180
tggctaattt ttgtttttaat attttgnaga gacagtctga ctatgttgcc caagctggtc   240
tcgaactcct gacctcaagg gatcccccccg ccccaacctc atgggccacc gttcccggcc   300
tatccctgca ttttaaaaga taaaggaaac aactcacaag acatganctg ctcaagtgca   360
aaagtnggaa tttntttgan ccatgcagcg gggactttac attatggttc ccaatacctg   420
gactaccttt cctaatttta attttttttga aaacgggcan ttattttttt gcccagcttt   480
tatgcaatgg gaccaaatta anttaatggn aaccttggnt tctgaagtna aggaaatttc   540
tggccgg   547

<210> 1007
<211> 415
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(415)
<223> n = A,T,C or G

<400> 1007
```
attcccaaga ttaactggcg ttctgtaggt cggcacaaag tcgtggcttt gccatctgac      60
ggaggacgcg cagcggtcgt ctctggctgg gtagactgag acctgaacgc tgagggactt     120
aggaccagca gtgccgtcca ggcctggctg cagacggaaa ctacttcaag ataagctcca     180
ccaaaaatag agaggaaatc aagaagatta anacgcagga tccagcgcaa cgctccagca     240
caggagagac caaaagaacg tttgacaatc cactgacttc ctagaaaaca gaagagtggg     300
ctgggcatgg tggctcacgc ctgtaatccc atcactctgg gaggctgagg tgggtggatt     360
acctgagatc aggaattcgg gaccagcctg gagaaacccn gtctctaaaa aaaaa         415
```

<210> 1008
<211> 551
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(551)
<223> n = A,T,C or G

<400> 1008
```
gtgcaggcat ggttgtgcac tctgcagaag gttatacttt gaagccacca agattcattc      60
catgactcca tcatccttcc acaggagtat atgctgctgg cctgctgact tctctggagg     120
gatcacatca cctcaccact gtgtcacttt gcagtgtggc tgaccaagag cttgttcttg     180
tggtgggctg ctcatcagcc cagccatttc cctgttgttt ttggtcagtg ggagattagc     240
agacatgaca caagaagatg ctgcagatgg gcttgggcat tggagcttgt cctcttgcac     300
ctatgccatc accatgagga aaacaagcct gggcaagtct accaatccca ggatgaggct     360
gagggtcctg tgtagcaaat gagctgacag ctgctggagt cccaggaaac aaaaagaagc     420
aagaaggaac caaatctgga ttgnaatgng gatgcctaat gatttcccac tgaaacattt     480
acaaaattgc ctgtctgatg aaaggaatga ggaggagcat tgncgtggng aangactctg     540
atgaagcttt t                                                          551
```

<210> 1009
<211> 413
<212> DNA
<213> homo sapiens

<400> 1009
```
ggggaagatt ttgatgtcta caatgcaaat gttccttcga cggctaacca tgcatctcac      60
aactctctgg gacagagttc ctacaaccag tttccaatta aaattgataa ttgataaaac     120
atttaaaaca tgctacctat agagaggaaa tgtagctcca gttcaatgaa gattttcaca     180
aatgagatgg ggtctccgta tgttacccag actggtcttg aactcctggg ctcaagcgat     240
ccacccacct cagccttcca gaggctataa tccagctggg attataggtg tgagccactg     300
tgcctggcct aatatgaaaa gctttttatgc atttaacatc tatcaatcaa cctctcctgg     360
cctatttcct aagtgattgc catggttttc taggatgtca agttccttaa gag           413
```

<210> 1010
<211> 218
<212> DNA
<213> homo sapiens

<400> 1010
```
gttatcaaga ggagtggaac tggtggcttt ataagaagag aaagtgagac tggagctagt      60
gtgtttagct ccttcaccat gtgatgccct gcaccacctc aggactctgc agaatcccca     120
ccagcaagaa ggccctcacc aaatgtagct cctcaacctt ggacttttca gcttttgtta     180
actataagga ataaattcct tttttacata aaaaaaaa                            218
```

<210> 1011
<211> 350
<212> DNA
<213> homo sapiens

<400> 1011
```
accctgcact cgatggatca gctgacacca cccagactgg gtaatctggc tcaaccagtt      60
```

268

```
ctgccatccc acccaggaac agaaaacagc aagaaaaact cacttcgacc ccctaggatt    120
ccatctccaa tctcaccaac cagcattccc cacttccgaa gccccctacct gccaaattat    180
cttttaaaaac tctgatgccg aaatgctcag ggagactgat ttgagtaata ataaaactcc    240
ggtctcccgc acagccggct ctgcatgaat tactctttct ccactgcatt tcccctgtct    300
taataaatcg gctgtgtcta tgcagcgggc aaggtgaatc caaaaaaaaa               350
```

<210> 1012
<211> 325
<212> DNA
<213> homo sapiens

<400> 1012
```
gctggagtgt gatggcgcaa tcttggctca ctgcaacctc tgcctcctgg gttcaagcga     60
ttctcctgcc tcagcctccc gagtagctgg gattataggc gcctgccacc acgcccggct    120
aattatttat attttttagta gagacggggt ttcaccatgt tggccaggct ggtctcgaac    180
tcctgacctc aggtgatcca cccgcctcag cttcccgaag tgctgggatt acgggcgtga    240
gccaccacac ccggcctcta atcttaattg aatttcttaa gcaggcttct ccatgaaaat    300
aaaatgaagt gattgacaaa aaaaa                                          325
```

<210> 1013
<211> 444
<212> DNA
<213> homo sapiens

<400> 1013
```
atggagtctt aatctgtctc ccagactgga gcacagtggc accatctcag ctcactgcaa     60
cctctgcctc ccgggttcaa gcaattctcc tgcctcagcc tcctgactag ctgggattac    120
aggcgcctgc cgtcatgcct agttaatttt tgtattttta gtagagatgg ggtttcacca    180
tgttggccag gctggtctgg aactcctgac cttgtgatcc gctcaccttg gcctcccaaa    240
gtgctgggat tacaggcgtg agccactgtg cccggccgga tctgatggtt tttccccgtt    300
tgctcggcac ttctctttcc agtcaccatg tgaagaaaga catgtttgct tccccttccg    360
ccatgatttt aagtttcctg aggcctattc cctagccgca ctgaactgtg agtcattaaa    420
cctctttcct ttataaatta aaaa                                          444
```

<210> 1014
<211> 200
<212> DNA
<213> homo sapiens

<400> 1014
```
ccgccgccgc tccactgtca ctctccaagg ccggcgccac ctctcactca ccgagctcca     60
gccgaaggag aaggggggca cagtggctca cgcctgtaat cccagcactt tgggaggctg    120
cggcgggcgg atcacgaggt caggagatca agaccatcct ggctaacacg gtgaaaccct    180
atctctatta aaaatacaaa                                               200
```

<210> 1015
<211> 230
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(230)
<223> n = A,T,C or G

<400> 1015
```
accggcacga tcatgactta ctgcngccta nacctcccan cctcaagtga tcctcctgct     60
tcagcttcct gagtagctgg ggactatagg tgatacctgc tcccttcacc ttctgctgtg    120
agtggaagct ccctgaagct ctcaccagaa gcagatgctg gcaccatgct tcttgtacag    180
cttgaggaac catgagttaa ataaacctct tttctttata aatcaaaaaa               230
```

<210> 1016
<211> 504

269

<212> DNA
<213> homo sapiens

<400> 1016
aatatcctga ggcctttcct actgcaaaat ggtcatgaat ccctaaaggt ttcagaaaat   60
gatacccccaa aatgaagatc tcagaagcag ctctctctga ccttagctta ccctcttgtc   120
tctgacccctt ccatcttcca agaggctagc cacagaaact agaatcccat ggaaaccaga   180
acccttteec ccaaagccag caataaaatc taaaaatatt actctaaccc tccccaccac   240
ctttctgtgt aaaaactggc cataaagaaa ctacctgacc tacgttattg actgtaggcc   300
atgagaactc tattccagag agggtcctga cccagaccca gaaggaggga atgcatgctt   360
agagagacca agaagaattt aactggacag gccttgctgc gtttccccac tcagtctatt   420
agcgtcaaat catgcccatt ttgtccagtc atatttctac atggccgccc atactttctt   480
gaagctaagc atacagactg tttc   504

<210> 1017
<211> 266
<212> DNA
<213> homo sapiens

<400> 1017
gataggcatc attgactgga cttgcttcat tactatggct ttgcagaatg gatcaacctc   60
aggtagccct attacaaaag gaactgactc agctcaagag aaaagcttca actccctatg   120
atttcatctt tgacccgacc aaccagagct cctgactcac ccacccacta cccaccaaat   180
tatccttaag aactctgatc cctgaatgct cgggaaattc atttgagtaa aaataaaact   240
ccagtctcct gtacagccaa aaaaaa   266

<210> 1018
<211> 205
<212> DNA
<213> homo sapiens

<400> 1018
agatattcta tccaagaatt tgctacagtc tttctgtgag acaacagatt tcttcatgtc   60
agcacatcat aatgttcaat gtgttccttg gtttgtcact tgagaacgtg cagtagcact   120
agcagtagaa gatgtcaagg tggcagcttt tacagcaatg caagtgttag cattaaaagt   180
gtaaggattt atatactaaa aaaaa   205

<210> 1019
<211> 323
<212> DNA
<213> homo sapiens

<400> 1019
gagacgctga gtccacgtgc tctaggattc cctttgtgac ctcaacgacc tgaaacctcc   60
tgactctggc tagagatgga ggcctcacca tgttgaccag actggtctgg aactcctaga   120
ctcaagtgat cctgctgcct tggccttcca aagtgctgga attacaggtg tgagccactg   180
cacctggccc acttcaatct tttgattgtt tcctttggtg tgcaaaagct ttttggtttg   240
ataaaattcc atttgtctat ttttgctttt gttgcctgtg cttttgaggt cttattaaaa   300
aaaatccttg cccagaaaaa aaa   323

<210> 1020
<211> 298
<212> DNA
<213> homo sapiens

<400> 1020
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg   60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta   120
ccacgcctgg ctaatatttg tatttttttgt agagacgagg cttcaccatg ttacccaggc   180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat   240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaaaaaaa   298

<210> 1021

<211> 155
<212> DNA
<213> homo sapiens

<400> 1021
acaaagtggt gaagaaaggg aagaaggaca agaagatcaa aaaaacgttc tttgaagagc   60
tggcagtaga agataaacag gctggggaag aagagaaagt gctcaaggag aaggagcagc   120
agcagcagca acagcaacag cagcagcaaa aaaaa   155

<210> 1022
<211> 489
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(489)
<223> n = A,T,C or G

<400> 1022
gactccaatt ctgctcagga tgacaatgga ctcaacaaca acaacaacaa caacaacaaa   60
atagctgtgt tgcccagctt cctttccaac tggagtcagc tacaggatga gattcgggcc   120
aatgacattt aagaaaaact tcttgttgca cttccaatga tccattttaa aaggggacag   180
attcatcagc atatgctttc tgcctcgagt ccagggtttc tcaacacttt gggccagata   240
attcttgctc tggggtttgt cctataaatt gtaggatgtt tagcagcatc tttggcttct   300
acaaattaga taccaggagc aacccatgcc ccctccgca agttgtgaca accaaaaata   360
tctncatata ttgccnaatg tgcccctggt ggcaaaatca cctncagctg aaaactactg   420
ctttaaccct ttctcttctt ccttttggga atggctgatg caatgccaga agccgagcag   480
ccatctagt   489

<210> 1023
<211> 285
<212> DNA
<213> homo sapiens

<400> 1023
ctcaaatgtt gccttttcct aaactaccca tggccccacc ccacctcatc ctgtgcctat   60
aaagacccca gactcaatca gcagagagga gaagcagctg aatgttggag agaagggact   120
tgacttcaga gggacagctt gatggagtaa ccggagaaaa tccagccgga cttcagggga   180
agatcaccta cccctcctct gtcccctttt cagctcccct ctcttcccac tgagagccac   240
tttcatcggc aataaaatca ttcctgcatt taccatcaaa aaaaa   285

<210> 1024
<211> 285
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G

<400> 1024
ctcaaatgtt gccttttcct aaactaccca tggccccacc ccacctcatc ctgtgcctat   60
aaagacccca gactcaatca gcagagagga gaagcagctg aatgttggag agaagggact   120
tgncttcaga gggacagctt gatggagtaa ccggagaaaa tccagccgga cttcagggga   180
agatcaccta cccctcctct gtcccctttt cagctcccct ctcttcccac tgagagccac   240
tttcatcggc aataaaatca ttcctgcatt taccatcaaa aaaaa   285

<210> 1025
<211> 398
<212> DNA
<213> homo sapiens

271

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

<400> 1025
tcccaaactg gagcacantg gcaccatctc agctcactgc aacctctgcc tcccgggttc   60
aagcanttct cctgcctcag cctcctgact agctgggatt acaggcgcct gccgtcatgc   120
ctagttaatt tttgtatttt tagtagagat ggggtttcac catgttggcc aggctggtct   180
ggaactcctg accttgtgat ccgctcacct tggcctccca aagtgctggg attacaggcg   240
tgagccactg tgcccggccg gatctgatgg tttttccccg tttgctcggc acttctcttt   300
ccagtcacca tgtgaagaaa gacatgtttg cttcccttc cgccatgatt ttaagtttcc   360
tgaggcctat tccctagccg cactgaactg tgaaaatt   398

<210> 1026
<211> 145
<212> DNA
<213> homo sapiens

<400> 1026
acaaagtggt gaagaaaggg aagaaggaca agaagatcaa aaaaacgttc tttgaagagc   60
tggcagtaga agataaacag gctggggaag aagagaaagt gctcaaggag aaggagcagc   120
agcagcagca acagcaacag cagca   145

<210> 1027
<211> 425
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G

<400> 1027
gcccatcatg tggtctcatg gactatgaac atttggagtc tgaggaagaa ttctcatcaa   60
tgtgcggatt tcagccttca ctcctaaatg tcttcttcaa tctgttcttg atccatgtcc   120
atatcaagac atcctcttgc tgcatggcca agcctccggt ctcaaatcct gcccaccttc   180
ctcgctgcca ccagagggct cttcctaaag cgttggctgt gatcatgtca ctcttctctg   240
gaagaacatg tgttgcttgt ttgtttgtgt ctatgttgca gcttgatggg tctcgatctg   300
tcactcaagc tggagtgcag cggtgtcatc atggctgact gcgaaccttg nactnctngg   360
ctcaagcaag tcctcccacc tcancctcct gagtaagctt gggactacag acgcatgcca   420
ccccc   425

<210> 1028
<211> 285
<212> DNA
<213> homo sapiens

<400> 1028
ctcaaatgtt gccttttcct aaactaccca tggccccacc ccacctcatc ctgtgcctat   60
aaagacccca gactcaatca gcagagagga gaagcagctg aatgttggag agaagggact   120
tgacttcaga gggacagctt gatggagtaa ccggagaaaa tccagccgga cttcagggga   180
agatcaccta cccctcctct gtccccttt cagctcccct ctcttcccac tgagagccac   240
tttcatcggc aataaaatca ttcctgcatt taccatcaaa aaaaa   285

<210> 1029
<211> 275
<212> DNA
<213> homo sapiens

<400> 1029
ctcaaatgtt gccttttcct aaactaccca tggccccacc ccacctcatc ctgtgcctat   60

```
aaagacccca gactcaatca gcagagagga gaagcagctg aatgttggag agaagggact      120
tgacttcaga gggacagctt gatggagtaa ccggagaaaa tccagccgga cttcagggga      180
agatcaccta cccctcctct gtcccctttt cagctcccct ctcttcccac tgagagccac      240
tttcatcggc aataaaatca ttcctgcatt tacca                                 275


<210> 1030
<211> 235
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(235)
<223> n = A,T,C or G

<400> 1030
gatttccatc cagactatct ctcccaaagg caacactctt tcatagccag acttntttca       60
aaccaaacct tgacccctca cnaagantgg anaantncna ctggnaangg gcnggaacac      120
atctgttacc cacagcaact ctgttgaaat ctgaaacctg aagaattact caaatggata      180
gtctttggac aagaatgtgt acctgctctg aaacattaat ccccacagag gatgg          235


<210> 1031
<211> 237
<212> DNA
<213> homo sapiens

<400> 1031
gctggagttc agtggcacga tcatgactta ctgcagccta gacctcccag cctcaagtga       60
tcctcctgct tcagcttcct gagtagctgg ggactatagg tgatacctgc tcccttcacc      120
ttctgctgtg agtggaagct ccctgaagct ctcaccagaa gcagatgctg gcaccatgct      180
tcttgtacag cttgaggaac catgagttaa ataaacctct tttctttata aaaaaaa        237


<210> 1032
<211> 271
<212> DNA
<213> homo sapiens

<400> 1032
tgaagctggc gaaatccaag atggctgcct ctgaagagcc tctggcttta tcatcatcct       60
gttctcatgc taaacaacac tcccaccagc gccgtgacaa ctgacggtcg ccatgacaac      120
gactggaaga gaccaagaag ggacagaaaa aaagggggttt cttgattccg ggaaaaatct      180
ccgttctttc ccaaggaaag cacgaatatt ccccccgtg ctcttaatgc ccagcccctt       240
cattaaagac accctacctc ttaaaaaaaa a                                     271


<210> 1033
<211> 328
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G

<400> 1033
actatgctgc ccagactcgt ctcgaactcc tgggtgtcac ngcgtgtccg tatagaagac       60
cacctaaaca ggctttgtgt tcacgtgttg aaatcctaac tccaaatatg atgataggag      120
gagatggggc cttcgggagg tgatgaggtc atgagggtgg aatcctcatg aatggtctca      180
acgcccttag aaaagagacc ccagagacct cgctcccgct ttctactgtg ggagaatgca      240
gcaagaagtc agccgtctat gaacaaggaa gcaggtcctc tccaggcact gaatgtacca      300
agtgccttga tcttggactt tcccaccc                                        328


<210> 1034
```

<211> 215
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(215)
<223> n = A,T,C or G

<400> 1034
aaagctatca taatactttg tttctgtcct taactgaaat ctttccagaa aatccaagnc   60
ccggctagta cncgaattgg agaaaaaggt cattgggaaa nganggggggc tttnccctcc   120
nanggnaaan ttttgcttaa ncccanntcg aaaaagccgn ncaaaaaata agcaaaagcg   180
tcccangagc cgtactcttg acaactgtgc acgat   215

<210> 1035
<211> 144
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(144)
<223> n = A,T,C or G

<400> 1035
cattcacact cttccctgga ctttgggaag ggacactgct ngcttggaac tctcaaccct   60
ggnccttggn gctgggngct gcacacaaga acngnttnta ccctggggna ctgtgatgct   120
acgntggaaa gtcatgaaca ttga   144

<210> 1036
<211> 261
<212> DNA
<213> homo sapiens

<400> 1036
ggtctctctc tgtcacccag gctggagttc aagtggcacg atcatgactt actgcagcct   60
agacctccca gcctcaagtg atcctcctgc ttcagcttcc tgagtagctg gggactatag   120
gtgatacctg ctccccttcac cttctgctgt gagtggaagc tccctgaagc tctcaccaga   180
agcagatgct ggcaccatgc ttcttgtaca gcttgaggaa ccatgagtta aataaacctc   240
ttttctttat aaatcaaaaa a   261

<210> 1037
<211> 562
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(562)
<223> n = A,T,C or G

<400> 1037
aatctctaag tttagttggt gaaaggtacg tcattccaaa gagctatgga tcgatctttc   60
tcccaattta gtacgctgct ctgaagcctt catttctact atttctcagc cacaagagaa   120
aacaagaaca acccaaaatg aattatattt tcatcttttg ggatttcaac acttgagatt   180
atggagttca agttgtattt ttctggatta taataggctt tcttctaaaa tcaatctcag   240
ttgataactg gaaacaagca aaggaggtaa tgtaacccaa tttattctac cacaatgata   300
tatcatcagt tcatctgtaa tcaagcagag acttttcatg tattaacaaa ccctatgatt   360
ctggaatgta aatgaagtaa gatttaaaac ttaattacct caaataccga atttgtgctc   420
tacaattgna gtatgctgca aattactcac caataactgc tgctcctcca ctcactcact   480
cactcactca ctcactcact cattgatgtt acctcttctc ccaacctcac attcctcaaa   540
ctattggtaa agcaataaaa ct   562

<210> 1038
<211> 192
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(192)
<223> n = A,T,C or G

<400> 1038
actgaggact ggagatggtg attttactgc tgcttgtggc tatcgtggtt gttgcacgtc   60
tgaagaagaa ganggggnnt tagtgtttct acatcaggat cncctaacag gcagtgacag   120
angcatgccc ancaccnttt nggtncgcaa aacctgctct caataaattc ccccaaagct   180
ctgaaaaaaa aa   192

<210> 1039
<211> 288
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(288)
<223> n = A,T,C or G

<400> 1039
caggcaggat gtgacagggg agccccagga ncgagacatt ngctccgnag gagctncngc   60
aagagctnaa cactntggcc aacccttcc tgncaagcnc agggacttgc tgatgtctca   120
tnagcttgcg agtnacccaa cacnntnctg ctnantnatg dacccaatgc ccttctttn   180
nacnaacctt ttgnccttc atnggncta ggnttggggc tccttgccca ctctacncct   240
ggncacctca ataatggacc agtgcttggt tttgttggga aaaaaaaa   288

<210> 1040
<211> 465
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

<400> 1040
ctactctgtc cccaggctgc ctagantcac ancaacctct gcctncaggg ntcaagngan   60
tnttntgcct nagactccnn agtagctggg actacaggtg tgaggcctnt gggcccaanc   120
taagccatna tatcccctgt gatcngcacc tacacattca gatggcctga agtaagtgaa   180
gatccncaaa agaagtgaaa atagccttaa ctgatggcat tccaccattg tgatttgntt   240
ctgcctcacc ctaactgatc aatgnctttt gaaatntccc cgcacccta agaaggntct   300
tttgtaantt ctcccccacc cctttgaaaa angtactttt gnggagaatc caccctntgg   360
cccgcaaaac aattgggtcn ttaaacttcc aacccgggct tatcccaaaa acctataaga   420
agctaattga taatncacca ccctttgng tggactcctt ttttc   465

<210> 1041
<211> 499
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(499)
<223> n = A,T,C or G

<400> 1041
```
tcctgcttag gtcctgcttt aagttngaat tgagcntgtg agaacacagt gagaaggtgg     60
ccntntacta gccaagaaga gagccttnac cngaaatggn attgnctggc atnttaagtt    120
tggacttccc agccttcaaa gctgtganaa aatncatgtt gcttnnnccc aatttnaaat    180
ntnncannaa tgnnaagcct ntgagcccaa nctgtgccat catatccnct gngatctgca    240
catacncatn cagatggccg nttnctgcct taactgatga cntttccccc acnaaagang    300
ngnnnatggc ctgttcctgc ctttaactga tgacattntc tttgtnnaaa ttcctttct    360
ggggttattc ttggntttaa aagctccctt tactgaggga cccttgtnga cccccacttt    420
tgccccggca agaaaaataa accccccttt tgactggnaa tttttccttt tatcttaccc    480
caaatcctat taaaaatgg                                                 499
```

<210> 1042
<211> 115
<212> DNA
<213> homo sapiens

<400> 1042
```
agaagatggc gaattagaag atggtgaaat acgacgatgc aggatttgaa gaaatacaag     60
aaaaagaagc aaaagagaat gaaaagcaga aaagtgagaa agcctacaaa aaaaa         115
```

<210> 1043
<211> 112
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(112)
<223> n = A,T,C or G

<400> 1043
```
agaagggcct ttgaccttct ttgagccacg ctcagcantg gttaagtcca agctgaattg     60
gccaattctt ttgcgttttt accctggaan aaatacttat aagccacctc tg            112
```

<210> 1044
<211> 188
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(188)
<223> n = A,T,C or G

<400> 1044
```
atgttctcct atcaccagca cagtgcccag cacngtggga ggtattcaac tgctgctaac     60
tgttgaacaa accagccggg tcatctgcaa aatgactgtc ctggactcct caaaaatgtc    120
aactcatggg agaaaaaaag ctggggaat cattcttgat taaagcacac caaagagaca    180
taaaaaaa                                                             188
```

<210> 1045
<211> 338
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(338)
<223> n = A,T,C or G

<400> 1045
```
caacaacagg gtgcctggca caaggagata ctcaagtaaa actctcatct gctgtgtcat     60
taaggggaac acttaatggc tcacgcctgt aatcccagca ctttgggagg ccgaggcgga    120
```

```
aggatcacct gagcccagga gttggagacc agcctgggca acagattgag accctgtctc    180
aacaaagaag aagaagaaga aaaaggccag gcgccgtggc taatgtctgt aatcccagca    240
ctttgggagg ccaagaaggg agaactgctt gaggccagga gttcgagacc agcctggtca    300
acataacgag accccccccc nttttcaaaa ttaattaa                           338


<210> 1046
<211> 465
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

<400> 1046
ttatatgaat gacagaaaga aacaatgaaa ttgaaggaaa ggaagatgaa cgctaaggct     60
ganctcgact cacagcaacc tctgcctcca gggttcaagt gattcttctg nctcagcctc    120
ccgagtagct gggactacag gtagatgtcg gggcttcacc catagtgtta ccggaaagcg    180
gtcccgatcc agacccaag agagagtcct tggacctcat gcaagaaata atttgggtg     240
tcaggcctct gagcccaagc taagccatca tatcccctgt gatcttgcac ctacacattc    300
canatggcct ggaagtaagt gaagatccac aaaagaagtg aaaatagcct taactgatgg    360
cattccacca ttgtgatttg tttcttgctc accctaactg atcaatgtac tttgaaatct    420
cccgcaccct taanaangtt ctttgtaatt ctcccaccct tatca                   465


<210> 1047
<211> 438
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(438)
<223> n = A,T,C or G

<400> 1047
gtctttagat aataacaact ctttcaacca agtgccaatc aagaaaatct ttgaatccat     60
ctatgaactt tctccctaaa aggtgtaaaa ccggctgggc gcagtggctc acgtctgtaa    120
tcccagcagt ttgggaggct gaggcaggtg gatcatgtca ggcctctgaa cctaagctaa    180
gccatcgcat cccctgtgac ctgcatgtat atatatgcct agatggcctg aagtaactga    240
agaatcacaa aagaagtgaa aatggcctgt tcctgcctta gctgatgaca ttccactaca    300
aaagaagtga aaatggccgg tccttgcctt aactgatgac attaccttgn gaaattcctt    360
ctnctggctc atcctggctc aaaaaagctc ccttaattga gcacctttgg ggacccccac    420
cccctgccca ccaaaaga                                                 438


<210> 1048
<211> 421
<212> DNA
<213> homo sapiens

<400> 1048
atatatttga tcctctgaac tcttggctgt ggaagtaatg tatacaaagc actgactata     60
tatgtatatc tttatatctg cataccaacc cctctgtctc agcctactca gtgtgaagat    120
gacaaggatg aagaccttta tgatgaccca cttccactta atgaatagaa aaaaccccag    180
gctcagcaag cagagaaagg agaagaggaa atgcagcagg acctcaggga ctacggttgg    240
acatcagaga gatgcagctt gacttcacag ggacagcttg acagtgtagc tttggtgagg    300
agtccaactg tccccagggg aagattactt tccctctctg tcactgtttc atctctcttc    360
ccgctgagag ccactttcat catcaataaa atccccacat ttacctcctt caaaaaaaaa    420
a                                                                   421


<210> 1049
<211> 249
<212> DNA
```

<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(249)
<223> n = A,T,C or G

<400> 1049
tacctataga tctggtnnag cattntttct ggatgtgtct gtgaanatnt nccntnnaag   60
actgacatgt nagttggaga aaatcaactt cctgtttgga tacccactat acatttaaag   120
ttctacaatg aacccatcan agatgcaaag aaaagtgcct tcnctnagac agaaaacctg   180
cttcgagcat catctactcg ccaggtgaac aaaatggtga ttcaagaaga acagatgaaa   240
ggtgccatc   249

<210> 1050
<211> 443
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 1050
gtacctcctc tcgcctgtga actgttggta tctggttctg catcagaccc ggcgggagag   60
ccgagaccat gccaccctca atgacatctt catgaacaat gtcatcgtcc gcctctccta   120
gatcagngag gatgtcatca gactcttcaa aaagagcaag gagattggcc tgcagatgca   180
cgaggagctc ctgaaggtga ccaatgagct ctacacagtc atgaaaacct accacatgta   240
ccatgcagag agcatcagtg cggaaggcaa gctgaaggag gctgagaagc aggaggagaa   300
gcagttcaat aagtcaggag acctcagcat gaacctgctc cggcacnaag accggcccaa   360
ccgccnanct tttggaanaa aaattgggaa anatgaagga naagaaggca ggccaagtac   420
ttttganaac aagcttgaaa tgc   443

<210> 1051
<211> 306
<212> DNA
<213> homo sapiens

<400> 1051
gttttgcctg gaaagcggtg aaggagctga atctccaatc tgggttataa gaccaaaagc   60
atcttggata aacaggcctg aggcttgccc aggctgaagt gcaatggcgc gatctcagct   120
cactgcaacc tccgcctccc acgttcacgc gattctctag cttcagcctc ccgagtaggt   180
ggaattacag gcgcccgcca ccatgcccgg ctaattttttt tttaatttt agtagagaca   240
gggtttcacc atattggcca ggctgattca aactcctgaa ctcaggtgat tcgcccacct   300
cggcca   306

<210> 1052
<211> 296
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(296)
<223> n = A,T,C or G

<400> 1052
gatttgagca tttcactgca tagnctgcaa acctatttgt gctgtgtcct ctgnnanagc   60
ttgcntggna ctatacttgg agcctaccag ggcatcaana ccaaagctga atgtgaatct   120
gatggctgct gctttanntc aaagcccatg gagngctata cctacagaag ccnaacttta   180
ataaactggc ctgagcnata ncaaatgggg aggattctga attaaccnac cctttgcctc   240
acaggctgtc cacttcttct ccgtaataan aaccttgctt attcacatgt cccagg   296

<210> 1053
<211> 549
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(549)
<223> n = A,T,C or G

<400> 1053
gtgagaaaaa ctcatctaaa cctttggact tggaattgcc cacatagacc acatcagcaa   60
tggaagacag agcaaataac atgtcggttc aatgtatgaa ggagcttttc tttcccctgc   120
cccaaccctc agacagagac catcaagctt cagatgatga tgcaacaaag gtttcagcca   180
gttccaggtg aagacaccac ccttggacat caagaagcta ccctgccttc actagataga   240
gcagggagag ttctgtgatc cccaatangg cctttgnaga cgctattcct ttgnggagaa   300
gactctcaac acccttcaaa tactatgatc tcatcaggaa ggccctccct gaccacctat   360
gcctggagaa tcgcttgaac cgggaggcgg aggttatagt gagcagagat cgcaccactg   420
cactccagcc tggcaacaga gcgagacttc cgtctcaaaa ccngaaacaa acaaacaaaa   480
cgacancaac aacaacnaag taaaaccatt gaaaactaaa aaccacacaa gcaggcaata   540
acaacgaac   549

<210> 1054
<211> 287
<212> DNA
<213> homo sapiens

<400> 1054
gtcttcctta atatatgtca gcagtggagt ggtgtgctta aggagagaga gacttggaaa   60
aatacagacc gagaacaagg ccatgtggag atagaggcag agactgaagt tgtaccacca   120
aaggcaaaga atatcaagta ttatcagtaa ccacaggaag ctggaagagg ccaggaaagg   180
tttttcttag agaccttgga aggagcctga ccctggaaca ccttgatttt agacttctga   240
ccctcaaaat tgtgaaagaa taaatttctg ttgtttttaag caaaaaa   287

<210> 1055
<211> 142
<212> DNA
<213> homo sapiens

<400> 1055
ctctgcattt ctccttccta ccaccatgtg aagaaggaca agtttgcttc ctcttccacc   60
atgattgaag tgtaaaagga tacgaaatat ttcttgcatg atgtcctagc aagaattctt   120
acacctagtt tggaaaaaaa aa   142

<210> 1056
<211> 536
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(536)
<223> n = A,T,C or G

<400> 1056
gggatgaacg tagggcactt agcttcttcc accagaaggg cctccaggat tttgacactc   60
tgctcctgag tggtgatgga aatactctct acgtggggggc tcgagaagcc attctggcct   120
tggatatcca ggatccaggg gtccccaggc taaagaacat gataccgtgg ccagccagtg   180
acagaaaaaa gagtgaatgt gcctttaaga agaagagcaa tgagacacag tgtttcaact   240
tcatccgtgt cctggtttct tacaatgtca cccatctcta cacctgcggc accttcgcct   300
tcagccctgc ttgtaccttc attgaacttc aagattccta cctgttgccc atctcggagg   360
acaaggtcat ggaggggaaa ggccaaagcc cctttgaccc cgctcacaag catacggctg   420
cttggtggat gggatgctct attctggtac tatgaacaac ttnctgggca gtgagcccat   480

nctgatgccc acactgggat cccagctgtc ctcaagaacc gacaacttcc ttcgct   536

<210> 1057
<211> 400
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 1057
gctagagtgc aatggcgcaa tcttggctca tggcaacctc cacctctcag gttcaagcca   60
ttctcctgcc tcagcctccc gaatagctgg gattacaggc atgagccacc gtgcctggat   120
gacgtgtccc aggctgtctc agaattgtga aatagtttgc acacacagaa gtccagtctt   180
tgggacgtgc agttccacgg ttctgaacta atgtgcagag cctcccgtcc accactgcag   240
cccctcccag agcggctcct tcatcttcca agtccccagc atgtcccctt tgcagccaac   300
gtctcccggc tctgtcagcc cctggccatc ctgatctgtt ctctgtctct atggnttgcc   360
ctttcccaga atggccaata aattggaatc ccatggtggt   400

<210> 1058
<211> 190
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(190)
<223> n = A,T,C or G

<400> 1058
ctctggggag ctacctnctt aaganctanc tgattaactc naaacngntg actctggncc   60
tcctacgcct gataccnacg ttgccaggac cgnttggnca gggggacttg gctgtccccc   120
gtctttcaaa taaagctgtt tgnctaaaat aaataaataa ataaataaat aaataaattt   180
atttttaaa   190

<210> 1059
<211> 586
<212> DNA
<213> homo sapiens

<400> 1059
acaattgttt tatgtcaatg cttttctaaa agctcttgcc atcaactaca ggccagaatg   60
cttcatcttt aacaaaaggg gaccatttca gatacccatg aagaggacca tgccaggttc   120
agagggtaca tgtgcggatt tgttacttgg ataatttgca cgtcgctgag gtttggtgta   180
caaatgatcc tatcaccccg agtagtgagc ataggacacg acagatcctt acctcacaag   240
gcctgaccag tgtcttcaat aaacccactt ccttgtttgt gaaacatctg gggaagtatt   300
aaatggggga aaggaaggaa ttaacagccc accaaaatgg tgtgaaaatt actttaaact   360
caaaacatct tcacaatcag cagccacaga aagaaacatt atctaaactt aggcagagcc   420
tcctgaatta cagcttctat gaccccctct gagggagttt cccgattgtg agaagactca   480
tcctaggatc agcgagtgag gatttagctg tcccttatca tcacaaggcc caatagaaac   540
ttcctacttt cccatggagt ccaaacccca cttccccttt tttgcc   586

<210> 1060
<211> 486
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(486)
<223> n = A,T,C or G

<400> 1060
```
ttgaatacaa ggatgtgggt caactatact gttcntaccn ttttaaagaa aaagtggaat      60
ttttcttcag caagctgtga aactaaatcc acaacctttg gagacccagg aacaccctcc     120
aatctctgtg tgttttgtaa acatcactgg agggtcttct acgtgagcaa ttggattgtc     180
atcagccctg cctgttttgc acctgggaag tgccctggtc ttacttgggt ccaaattgtt     240
ggctttcact tttgacccta agcatctgaa gccatgggcc acacacggag gcagggaaca     300
tcaccatcca agtgtccata cctcaatttc tttcagctct tggtgctgct ggctttctca     360
cttctgttca ggtgttatcc acgtgaccaa ggaagtgaaa gaagtggcaa cgctgtcctg     420
tggtcacaat ggttctgttg aagagctggc acaaactcgc atctactggc aaaagggaga     480
agaaaa                                                                486
```

<210> 1061
<211> 546
<212> DNA
<213> homo sapiens

<400> 1061
```
acccaggaca ggaggactcc ttcgagagac cagtccc.cca tccttgccct cactcggtga      60
ggagatctac ctatgacctc aggtcctcag accaaccagc ccaaggaaca tctcaccaat     120
ttcagatcgg atcttctcag cttagcggct gaagactgac gctgcccgat tgattgcctg     180
ggaagcctcc tggaccatca cagacgcctt gggtaactct tacagtggag gacaggaatg     240
tcaggccggc ctctgagccc aagcatgcat gtatacatcc agatggcctg aggcaactga     300
agaaccacaa aagaagtgaa aatggctagt tcctgcctta actgatgaca ttaccttgtg     360
acattccttc tccgggacag tgagtctccg gagctcccca ctgagcacct tgtgaccccc     420
gcccctgccc gcaagagaac aacccccttt aactgtaatt ttccaccacc tacccaaatc     480
ctaaaaaacg ggcccactcc tatctccttt gctgactcct ttttcggact caccaacctg     540
caccca                                                                546
```

<210> 1062
<211> 569
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(569)
<223> n = A,T,C or G

<400> 1062
```
acccaggaca ggaggactcc ttcgagagac cagtccccca tccttgccct cactcggnga      60
ggagatctac ctatgacctc aggtcctcag accaaccagc ccaaggaaca tctcaccaat     120
ttcagatcgg atcttctcag cttagcggct gaagactgac gctgcccgat tgattgcctg     180
ggaagcctcc tggaccatca cagacgcctt gggtaactct tacagtggag gacaggaatg     240
tcaggccggc ctctgagccc aagcatgcat gtatacatcc agatggcctg aggcaactga     300
agaaccacga aagaagtgaa aatggctagt tcctgcctta actgatgaca ttaccttgtg     360
acattccttc tccgggacag tgagtctccg gagctcccca ctgagcacct tgtgaccccc     420
gcccctgccc gcaagagaac aacccccttt aactgtaatt ttccaccacc tacccaaatc     480
ctaaaaaacg gccccactcc tatctccctt tgcttgactc cttttttcgga ctcagcccac     540
ctgcacccan gtgattaaaa aagcccccca                                       569
```

<210> 1063
<211> 386
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

<400> 1063
```
gtttccaaga tcaagaaaat agagccctgg cagagtgata cttgaggttc ttgaccccag      60
tgcagagatc cgcnaaggta cactgcttga cctccctgc ttgacagggt ctatgttgac     120
```

```
aaggctggnc tcgaacagct tgcctcaagt gatcatccag cctcagcctc ccaaaatgct    180
ggactgctta aattgttgan cacccctatc tgaaaatcca aaatcagaga tgctgacaaa    240
atcggaaaca ttctgaatgc taacatgaca ccacaagaag aaaattccac actgaactca    300
tgtaacagtg ggtctctatg tttccagttc ccgagaagat tcaaagcagt ntattggatg    360
cctccaatcc tgctttttcc tccct                                          386


<210> 1064
<211> 170
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(170)
<223> n = A,T,C or G

<400> 1064
gactgggttt ttggaaatgt gggtggataa ggtgggagtg agaggggcgg gataagctca     60
tggctgctgc aaaagcctat cctgggtttg nggagcttct aaaattttct agatcccttt    120
aaagaaaaat gacataaaat agtgaataaa aatttcagct caaaaaaaaa               170


<210> 1065
<211> 481
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(481)
<223> n = A,T,C or G

<400> 1065
gtggtgcaga aagaagtctg gtcacaactg gctacagnga acaagctggg taccccaagg     60
acatcttacc agttccagcc agagatctga tctacgtaca cctgcgtcat gctgagaccc    120
tcaagcctca ctaaaagggt ccctgcctag ttctgtttac taatctgcct tattctgttt    180
ttgttcccat gttaaagata gagtaaatgc agtattctcc acatanagat atagacttct    240
gaaattctaa gattagaatt atttacaaga agaagtgggg aatgaagaat aaaaaattac    300
tggcctcttg tgagaacatg aactttcacc tcggagccca ccccctccca tctggaaaac    360
atacttgaga aaaacattnt ctggaacaac ccccnaatgg tttaaccagg ccanatgtnt    420
tgccaaacac aggatatgac tctttggttg agtaaattgg nggttggtaa acttcccta    480
t                                                                     481


<210> 1066
<211> 403
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(403)
<223> n = A,T,C or G

<400> 1066
atattctttc aacatacttg ngtactgatg aaactgctga ctcagctggn ctgaaggacc     60
ccactggcac tggctggtct gaaggaccct gctgatcaca acttgcctga aggaccctac    120
tgacatcagc tgttgtccaa aggaccgcca caagaaactt gactcaccaa aaaatgcatc    180
ctggatgatt tcatccccct taaccccgac caatcaacaa cccccaatnt acaccaagcn    240
cccttttncc tccatggatn tcctacaaaa aactcccanc cccaaaactt ccttcaaggg    300
ggaggaatgg gattttnaaa nggncctccc tcccttntt aactttggct ttgggatggc     360
cccttatttt atttatttta aaacctcttt ttgctttcca aaa                      403


<210> 1067
<211> 555
```

282

<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(555)
<223> n = A,T,C or G

<400> 1067
ataaccctgc tcggatgttg agagacgaca gcactaagcc cggagcctgc tgaaacagaa   60
gccagagaga ggagagccca gtgggagccg agtcagacag gatgccaggc cgagctcagc   120
ctccctccct ccccgtgctc ccagctcctg gagaatcctg tttgttttgt gcaatcttnc   180
tgtcatctcc ctagggctat aancccctat ctcctctgac tggcggctct caccttaccc   240
tttacacctc tagagagcag ggccgctccc tctcccttcg atgagcataa acaatccaca   300
ttgcctggcc accgcttgac catggnaaca cacgcacatg cccacccaag ctcccaggta   360
gaaggaggct catacctggc cccagaagca gcagaagcag cagcatcttc cgtgatggcc   420
ccacaccacc ttctctgggg agaggtgnga ccactgtctt cattcaccag cgaggangga   480
tgactgatca cagaatccca aggatgctct agtctggccc ctggtggnaa tctttgctca   540
tgaaccgggg tacat   555

<210> 1068
<211> 113
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(113)
<223> n = A,T,C or G

<400> 1068
accccggctt cttacctcaa atntgcggaa aacacangnt ggnaacaatt gtggccttca   60
acctcttcat gctngcgctt gnnagtgcag agggcaatcc tgctggacgg ctt   113

<210> 1069
<211> 504
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(504)
<223> n = A,T,C or G

<400> 1069
actgagttcc ctatttctcg ggagatttcc aggatgagca ccttgaaaaa gcaaaaacaa   60
ttggaaatat tgtttatgaa gatcttgaag ctgatagtga aagaggaaag gattattttt   120
atcattgatg aggcccagtt tgtggattcg acctcctgga gatttatgga gaagcttatc   180
cggactcttc ctatcttcat cattatgtcc ctgtgtccct tcgttaacat tccctgtgca   240
gctgccaggg ccgtaataaa gaacaggaac accacctaca ttgtcattgg tgcagtacag   300
cctaacgaca tctccaacaa gatctgtctt gacctcaatg tgagctgcat ctcaaagaac   360
tggactccta cctgggggaa ggnagnctgn ggggaattcc ttttactngg aagaattgct   420
taaaaacttg gaacatcatg aggnactcgg ttttccaaca aacggagtct gaggaaaaga   480
caaatnggac cctgggaata cctg   504

<210> 1070
<211> 274
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(274)

<223> n = A,T,C or G

<400> 1070
ggctcactgc aacctctgcc tccctggntc antnggnntg ttctacntca gcctcntgan   60
tacctggagt tacaggcacc ggccaccatg cctggctaat ttttttggtat tttttantan   120
agacagtgtt ttaccatgct ggccgggcta gtcttgaact cctgacttna ggtagagcaa   180
cngannnacg actaccaaag ngcnggaatt ataagcatga gccaccatgc ctggccaaaa   240
gtaaattttt aataaaaatt tttattggag atga   274

<210> 1071
<211> 257
<212> DNA
<213> homo sapiens

<400> 1071
ggtctctctc tgtcacccag gctggagttc agtggcacga tcatgactta ctgcagccta   60
gacctcccag cctcaagtga tcctcctgct tcagcttcct gagtagctgg ggactatagg   120
tgatacctgc tcccttcacc ttctgctgtg agtggaagct ccctgaagct ctcaccagaa   180
gcagatgctg gcaccatgct tcttgtacag cttgaggaac catgagttaa ataaacctct   240
tttctttata aaaaaaa   257

<210> 1072
<211> 422
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(422)
<223> n = A,T,C or G

<400> 1072
tttggatatg tcattctact gccttctgac ctccacaata ggagacactg atagcagcaa   60
ggggcagaca aatgcctgtg caaatggggc acatccctgg tgaaatacac cttcaagcta   120
aaaaacaacc tgaaggctga aaggctggac tcctggtcct ggatgaaacc cagacccaga   180
gtgagaactt ctgtttgtgt ttgcctgccc tttcctgatt gattctttct gaataatgcc   240
ttttaaccaa tcaaatgttg cctttccatt actacctatg gcctgcccct cccctattct   300
aagcccataa aagcccaaga ctcagccaca ttgggggtac tttcctgcct tttagaagga   360
cnnccccctg gttccttttc cntggaaagt tgttttgtca ctgaataaaa ctctccactt   420
tg   422

<210> 1073
<211> 426
<212> DNA
<213> homo sapiens

<400> 1073
ttacatgata actatggggc agctgaagca ccctctgtgg atctgctcca catgatttc   60
tctctgtgac cagggctgat ggagcaacac tcgtctggaa tatgctgttc tcagggcaga   120
ggatggtcct gccaggggag caacgctttg ctcagatgag agtctaaaac tgctcagaaa   180
atgttctgat acctttgatt agtccaaaag gtcttttaat tggaagttgg aatgggactt   240
accaagcttc tcagcaacag tgtgacctaa atgaccattt ctttataaag gcagatttgg   300
ccaggaggag cttatggcaa atcttcccac agctttttct ccactggttc aacagcaaag   360
atatttatgt cactgtgaat ctctacacct gtggtcagtg atttcatgct gctcatggct   420
catttc   426

<210> 1074
<211> 276
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature

<222> (1)...(276)
<223> n = A,T,C or G

<400> 1074
tacaagccag ctgccatgtt gtgagcacat accacatnct tncatggaga tgcccatgtg   60
actgtgatga agagctaaga cttcctgtca gtggccgtgt gagtgaccca tgttagaaac   120
agatccgcca gcccaaacag aaccttcaga caactgcagc cccagctggc atcttgactg   180
caactcatga gcaattctaa gcccaccgaa gctgctcttg aattattgat tcacaaaaac   240
ttttaggtaa taaatgtgtg ttgttttaaa aaaaaa   276

<210> 1075
<211> 352
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(352)
<223> n = A,T,C or G

<400> 1075
tgccacataa tgtaaacaat cccggactan cctgctggag gaaaatanac tgtggaacan   60
aattganttc cananggntn tacaganatg anacaacccc ttctgggggtt tngaaaacnn   120
tttgccggnc tttgnggtga ccgcaaacca gggggncttg cttтntagna cccagggggg   180
cnanaaaatn tngatcctga tgggggcttt tttcttaccc ggaacttgag gcnttcttaa   240
tgnnctttt cattgacagg cctggcaggc tggnaaaant tttcttgana aaggggnccc   300
ccnaaggnga agcanttttt gccccaacgg gnccctttat ttctgggggg gg   352

<210> 1076
<211> 568
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(568)
<223> n = A,T,C or G

<400> 1076
actgaaatga agaaaacgga atgacccagc atgagtgata caaacgtttt ccttcacccg   60
ggctgggagt ggcggagctc cacattgaac accagagaac cctgcttctt acggggaaac   120
agtttttctt aacctgctaa ttctgatccg agaagattca agtcaacgtt tccaatcggg   180
gcttccttcc tcctgcctgg ggcgaatccg aagttgcatc caagcttgag atctcggcca   240
gcggatcggg gaaccgttgg accacggagc tgtctcaagg atgaaaggac gcggctcccg   300
agtgatggtt gcagagtcct ctctgttctt ggagaccctt ccagacaggt cggctcttct   360
cgaagccttc gggatccgga aactgcaccc tctcccccgct agcctcgggt ggttcctctg   420
tcactacgac cctgaagtct cagcggcgct tccaagcctg tggctccggg ctcaagaaag   480
tcacacactt gcccnttgca gttcccgtcc caagacaact agtggcgctc gggcgcggac   540
tgngggttcg cttgaaacaa aaaggacg   568

<210> 1077
<211> 437
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(437)
<223> n = A,T,C or G

<400> 1077
ctcctgtgcc tgtctccgag caacacctnc acccctgcac cttcacctgg gctgtcccac   60
ctgcctgaat ggccctcccc actccctgcc agagctctcc tctcctaagc ctgaaggctg   120

285

```
cagccccggg atctgcccct cggatgactg gtgtctcaaa tgtcagcact tcactattca      180
gctggggtgg agacctatta catgcctcct tggcgcccag actcaggaca gcttcagata      240
gaagcagtcg aggagcttga ggccctcngg cgtcttgacg tacttgggct cgcccagcat      300
gccgatgtac actgtcacct ggaaagtggt tcttcttctg cacacaaag gcgtngtcgc        360
ccaccgaaaa gttgaagccc ttgtccgcat ccacgccggt angtttcact tttatcagtg      420
gtcaagaaaa aagaaca                                                     437


<210> 1078
<211> 362
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(362)
<223> n = A,T,C or G


<400> 1078
aggagctggt gagaggtgcc acttacatac tccagnacgg atcacccatt agnntnantg        60
aganaactct ggtgccttga accacatgca naccggcaaa tnccggnagn tgtgctgncc        120
gctccagttg cgtgcctgat tggatggttc ccagcccagc gttcctgatt ggataacggt        180
ttaaggcccc gcccttcgg gccctgggtg acgggagatg tgatcagatg ctggactgaa        240
ggaagagtga cagcctaagc tgcagccttt tcagacgggg cttcctccct gagctgagtc        300
aggcccaccc cagacagtat ttgcatttaa cctttgtgaa taaaggccat atcatttatt        360
aa                                                                       362


<210> 1079
<211> 423
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G


<400> 1079
gatgccaaga aaacacngcg agggaagagg nttntctctt ctgnnctnnc tctgcngtgn        60
tctcccntgc ctaatgaatg aaactggnnc tttgcctcac attatgtaca aaaatcaact        120
aaaaatagat taaagacaaa aacctaagac tggagtctac aaaactatta gaagaagaaa        180
acacaggggt aagcttcttg acattgacct gggtaatgat tttttggac accgacacta        240
aaagcacaag caaaaaggca aaaatagaca agtggactgc atcaaactga aaagcttctg        300
cccagcnaag gaaacaaaag agtgggaaag gcccctatgg gatgagagaa agtatttgaa        360
aaccatgttt cttgataagg ggtaaataaa tatnccaaat atntaaggga ctcatccact        420
cag                                                                      423


<210> 1080
<211> 457
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(457)
<223> n = A,T,C or G


<400> 1080
gtcaggcact tatcaccccg cacctgtctc tccaggacat tccacagccg tggtcagtct        60
gcctggctcc cagcaacacc tctcagcgaa cataaagacc tctagttttc cagactcccg        120
gagccctggt ctctacacca catggacgtt atccacctcc tctgtgtcct cccaaggcag        180
catttcagaa ggtgatccac ggcaaagccg tcccttcaaa tccgtctttg tgcccactgc        240
catagtcaac cccgtgagaa gcacagccgg ccctgggact ttaggacaag ggtctcttcg        300
gaaagggcgg agcagcatga gaaagagtaa gtggtggcag aaagatggat ccctggaaaa        360
```

```
accccttcag tccgggatcc ccattctngg ggaggctcct taaacgcagc cccaccatgg    420
tccttcggcc tcagcagttn caattctacc agccaca                             457


<210> 1081
<211> 458
<212> DNA
<213> homo sapiens

<400> 1081
aaacagaaaa gctgatcctc aaattcacac agaatttcaa aggacctgga agaactaaaa    60
caacattgaa aagaagaaca aagttggagg actcacactt cttatatcaa aacttagtat   120
taatccaaag ctacggttat cataacagtg tagtactggc ataaggacag atatatagac   180
caacagaata gaactgagaa tccagaaata aactcgtatc tgtggtcaac tgattttcaa   240
cctgagtgcc aacaccattt gatgggggaa aaatcatgtc ttcaacaaat ggtattggta   300
caactggata tccacagcag aagaatcaca ctggacccct acctcacaca atacacaaaa   360
attcctcaaa atgggatcaa caacctaaat aaataactaa aactataaaa ttcttagaac   420
acagagataa gtcttcatga ccttggattt gtcaatgg                           458


<210> 1082
<211> 143
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(143)
<223> n = A,T,C or G


<400> 1082
gaactgaggt ctttaacgtn ntctgggacc tatgnaaaac ntacangcgc anntgctggg    60
antctgctct nncaaatatg ctgggattac cgncatgagc cactgcacct ggncaactct   120
ttgagatttt ttttttttcc agg                                           143


<210> 1083
<211> 164
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(164)
<223> n = A,T,C or G


<400> 1083
cccaagctaa gtgatcatat cccctgcgac ctgcacatat atatccagat ggcctgaagc    60
aactgaagaa ccacaaaaga agggaaaata gncnggtnct ggccttaacn ganggcattc   120
caccatgggg atttgttcct gccccaccct taactgacca attg                    164


<210> 1084
<211> 438
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(438)
<223> n = A,T,C or G


<400> 1084
ggacgggggc agagaaattc tagccagaaa agtgtgggtc actgacaaac cgccactctc    60
aagccaaaaa acctgaaacc acaggccaaa gtgagagctt atatacctgt tttcccactt   120
gaatgctgct ttttcctcaa ccacccctgg ccccgccctg cgccatcctg tgcctattaa   180
aaccccagac tcagctagta catgggacta tggctggacg tgggagaaaa gcagcttgac   240
```

287

```
ttcagaagga cagcttaaca gcgtaacttc ggagaagaat ctggctggag atgacctgac    300
ttcaggggaa gtttgcagat gtggatcctg actcctgcaa gaagtaactt aaccgngaca    360
aactaccntt tgcctttatt gatttgcaaa tcaaagaagg gggacatgtt gggagcaggc    420
cccccgaaac tggccata                                                  438
```

```
<210> 1085
<211> 460
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G

<400> 1085
acccaggaca ggaggactcc ttcgagagac cagtcccccca tccttgccct cactcggtga    60
gaagatctac ctatgacctc aggtcctcag accaaccagc ccaaggaaca tctcaccaat   120
ttcagatcgg atcttctcag cttagcggct gaagactgac gctgcccgat tgattgcctg   180
ggaagcctcc tggaccatca cagacgcctt gggtaactct tacagtggag gacaggaatg   240
tcaggccggc ctctgagccc aagcatgcat gtatacatcc agatggcctg aggcaactga   300
agaaccacaa aagaagtgaa aatggctagt tcctgcctta actgatgaca ttaccntggg   360
gacanttcnt tttccgggac aagtgaagtn tccggaagct ccccattgag caccttggga   420
cccccgnccc tgcccgcaag aaaacaaccc cctttactgt                         460
```

```
<210> 1086
<211> 284
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(284)
<223> n = A,T,C or G

<400> 1086
tttttcctga agaaaaatga tananaacna atcaaacctg tggtgtngga caggattctg    60
gagccctata tgattgagng ctgattcaca tactcaaaga anggttntgg cgtggaacag   120
ctaggaggac ctattttgaa ttntcgcnaa actatctctt ngngggcgtc ttacaccact   180
aannacnttn nnaatacttc cnttactgtn acntatcttt tcgttctnct acctttctta   240
ttnattttga cctaacancn attttattaa gaagaaacga aatg                   284
```

```
<210> 1087
<211> 414
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(414)
<223> n = A,T,C or G

<400> 1087
gttcttgccc tgtcaccgaa taatgcagtg gttatcaaag ctcataacag cctcaaactc    60
ctgggctcaa gcaatcctcc accacatcct cctgagtatc tgggactaca gagatggagt   120
ctcattatgt tacccaggtt ggtaactcaa acttctgagc tcaagagatt atccctcctc   180
agcctctcaa agngctggga ttacaaacgt gagccaccac atgcagacct ttgtccattt   240
taaaatcagg ttatatattt tcttgctatt gagttgnatg aagttcatta taaatctaag   300
tgnattaact ccctattgga tacatgggtt gcnaaatttt cccaatttgg gttttttttt   360
ttttttncc cctttngggg aagggttttt ttgnnggggg ggaaccttct aaaa          414
```

```
<210> 1088
<211> 363
```

<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(363)
<223> n = A,T,C or G

<400> 1088
```
tgccgaagac ccagaacagg gggactcctt caggagactg gtccctgtc  ctcgccttca     60
ctccatgagg aggtccacct atgacctcag gtcctcagac caaccagccc aaggaacatc    120
tcacccattt caaattggac aggaaatgtc agacctctga gcccaagcct gcaagtatac    180
atccagatgg cctgaagcaa ctgaagaacc acaaaagaag tgaaaatagc cagttcctgc    240
cttaactgat gacattccac cattgtgatt tgttcctgcc ccaccttaac tgatccatta    300
accttgngac attccttctc ctaaacaatg agtctcaaaa cctccccact gggcacctta    360
aaa                                                                  363
```

<210> 1089
<211> 451
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

<400> 1089
```
tatgttgaca tttgagaaaa gcaccataaa ataaacagcc ctgttgaggt aaacacacgc     60
tgtcttctgg aatgttaaac tgttggcaag gataacttaa agttgaccat aaaacagcct    120
caggcgggta cttcagaagg tattccagaa gaaggcattg agctatcaca ggaaatgata    180
gcttcgtgtg tcattgctcc tgaagacctt ccagtggaca agacgtggag gaggaagata    240
gtgacattaa tgattctgac cttgtgcggg actaggctaa tgtgtttgtg tcttggtttt    300
taacaaaaaa gttttaaaaa taagtatacc agattaaaac attttaaaaa taggaaaaaa    360
agcttttaga ataaggattt aaaggaaaat attttttgtat agctgngtaa ttggttgttt    420
taagctgngt tattacaaaa gaatcaaaaa g                                   451
```

<210> 1090
<211> 457
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(457)
<223> n = A,T,C or G

<400> 1090
```
acccaggaca ggggaggactc cttcgagaga ccagtccccc atccttgccc tcactcggng    60
aggagatcta cctatgacct caggtcctca gaccaaccag cccaaggaac atctcaccaa    120
tttcagatcg gatcttctca gcttancggc tgaagactga cgctgcccga ttgattgcct    180
gggaagcctc ctggaccatc acagacgcct tgggtaactc ttacagngga ggacaggaat    240
gtcaggccgg nctctgagcc caagcatgca tgtatacatc cagatggcct gaggcaactg    300
aagaaccaca aaagaagtga aaatggctag ttcctgcctt aactgatgac attaccttgn    360
gacattcttc tncgggacag ngaagtcttc cggaagctnc ccactgagca ccttgtgacc    420
cccgccctgc ccgcaagaaa acaacccccct ttaactg                           457
```

<210> 1091
<211> 447
<212> DNA
<213> homo sapiens

<220>

<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 1091
tgccgaagac ccagaacagg gggactcctt caggagactg gtcccctgtc ctcgccttca   60
ctccatgagg aggtccacct atgacctcag gtcctcagac caaccagccc aaggaacatc   120
tcacccattt caaattggac aggaaatgtc agacctctga gcccaagcct gcaagtatac   180
atccagatgg cctgaagcaa ctgaagaacc acaaaagaag tgaaaatagc cagttcctgc   240
cttaactgat gacattccac cattgngatt tgttcctgcc ccaccttaac tgatcaatta   300
accttgngac attccttntt ctanacaatg agtctcaaaa cctccccact gagcaccttg   360
naccccctgg ccctggctgn aaganaaaaa cccactttga ctggaatttt tcactactac   420
cccaatttat aaaactgccc accccat   447

<210> 1092
<211> 386
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

<400> 1092
gactggctcc aggattatgg aatctgagaa gcctcatgac ctactgtctg tctgtaaatt   60
ggaaaaccag gaaagctgtt ggtgtcattt aggccaagtc tgaaggccca aggaccagaa   120
ccccaatttc caagggcagg agaaggtgga tgttccctct caaaaagaga gcatgctgag   180
tgcggnttta aacagggagt tcagcacaga cctcaaattg taacagaaaa cagaaagcaa   240
catctcctgg ttcatagacc ctggagaaaa atatttgaga tacatgaatg ccacttgact   300
caaagaaaac agaaatggca ttgacgtgaa agctgcaggt gctgaaaggt ttttagtttg   360
ccttgagcaa ggttaaatga agtaga   386

<210> 1093
<211> 151
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(151)
<223> n = A,T,C or G

<400> 1093
aagcgagctg gatggcaagg ccngtgcgac agataatgcc tgaggaaatg ttccttgagn   60
cncctggggn ganagctttc tttnaggatt cntgnccgga aaaatcntga nttcttgcca   120
cgtttttttt tcctttggaa acaaaagaca c   151

<210> 1094
<211> 510
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(510)
<223> n = A,T,C or G

<400> 1094
tctggggagc tcctgngttg agctcctgct taannccaac tgaggtatat taccttctta   60
tatgaatgac agaagaaaca atgaaattga aggaaaggaa natgaacgct aanatgtggg   120
gaccagtgca acagggtgtt gcagtacggg agagagattg gactcaaatt cctgttgttt   180
aaactacaac agtagcagtg ctgacctcga ctcacagcaa cctctgcctc cagggttcaa   240

```
gtgattcttc tgcctcagcc tcccgagtag ctgggactac aggtgtcagg cctctgagcc      300
caagctaagc catcatatcc cctgtgatct gcacctacac atccagatgg cctgaagtaa      360
gtgaagatcc acaaaagaag tgaaaatagc cttaactgat ggcattccac cattgtgatt      420
tgtttctgcc tcaccctaac tgatcaatgg acttttgaat ctcccgcacc ctttaanaag      480
gntctttgta attcttcccc ccccctttga                                       510
```

<210> 1095
<211> 172
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(172)
<223> n = A,T,C or G

<400> 1095
```
gtcatggaga attcattaaa tgcctttaaa tagtaatgag atgggattag agttcttgaa       60
atttcaatct ggtgtgnttg ggggaaaatg ggcctggaa ncaagggaaa gtggaagaaa      120
nctctggtaa gaatttgngg tgaaggagta cctcctggca actatgggaa ct             172
```

<210> 1096
<211> 381
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

<400> 1096
```
cccaagctaa gtgatcatat cccctgcgac ctgcacatat atatccagat ggcctgaagc       60
aactgaagaa ccacaaaaga agtgaaaata gccagttcct gccttaactg atggcattcc      120
accactgtga tttgttcctg cccaccctaa ctgaccaatt gaccttgtga cattccttct      180
ncgggcaatg aatctcanga gcttcccacc aagcatcttg tgaccccact tctgccacaa      240
gaaaacaacc ccctttaact gnaattttcc ctacctaccc aatcctataa actgnnccan      300
cccatctttt tccttggtga ctcctttna aatcgccccc tacccccagg gattaaaaac      360
tttntggtca aaaaaaaagg c                                                381
```

<210> 1097
<211> 579
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(579)
<223> n = A,T,C or G

<400> 1097
```
tcccttgcag agaaacacca agagctcact ggtgatgcta ccccattgcc tccatttggg       60
agctgccgca gaacctggag agccaccacc cagaccgtat tcaacaaaca aacaagactc      120
ctcccctgat gaggaccaca ggcagcaccc acgggacagg gtagcccaca tggatgtggc      180
tccccagtgt ccctgggctc anctcagggc ttggcacact ttgcatctgc ttttcacaat      240
tgcctcatca ctcccttct atggattcag aagggacagc tcacgcctta agccagacct      300
tgaaacccga gctttcagaa ggaaaggaag gacgactctc gtgcccttct gcctccaccg      360
ngggatgata tagcaagaag accccacca gatgcaaccc cttgaacctg gacttcccac      420
ctccagacta tgagccaaat gaatttcttt tctttataaa ttactcaatc tcgggtattc      480
tggtggagta acacaaaact aaaacactgg ccagtatacc agctacatgt gactatcaaa      540
gcccctgga atatggatag ctgaaatga aaccgtgct                               579
```

<210> 1098

291

<211> 406
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(406)
<223> n = A,T,C or G

<400> 1098
```
atggattcaa aacaataaca acaacaaaag tgccctcctg aatttaattg tcaagaccag      60
tcccaagtct cctctgtcca cagcatcact gcttttggca ccatgtgaga gcctgacgcc     120
atgcggaggg aggagggaca tttggcctgg gcgtgatgga atggcctcca ctcccttcga     180
gtcatactct ggctcggcac tgttcaatga ctgaatgacc aggactgatc taacgtgatc     240
ttagaaggac atcaccgaat cctgaggatt aaacaaacca caggaaaata ccaactgttt     300
tcctcaaaat agtgaanggt tacaactact gggcagangg ggtggtcaca agaatgcaac     360
atcctaagct ctgcaggtca actgaaatag aaagcccagt ggccgc                    406
```

<210> 1099
<211> 123
<212> DNA
<213> homo sapiens

<400> 1099
```
aaaataaaag aagactatca aagaagagaa gatcaaccat cccatcatgg acaagagaat      60
gcacttcaca taagctataa aaggaataat aaaagaaaat tcatctgtca ccaggaaaaa     120
aaa                                                                    123
```

<210> 1100
<211> 297
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(297)
<223> n = A,T,C or G

<400> 1100
```
aaggcccgga aggttggaat atgccctaga tgctggagca ngcngaggtg cgaacgcggc      60
ggcaggaagt ttctcgacac ctnagcttct tgagtagccg ggactacagg catatgctac     120
cacgcctggc taatatttgt attttttgta gagacgaggc ttcaccatgt tacccaggct     180
gatctcaaac tcctgagctc aagcaatcct cccaccttgg cctcccaaag tgctgggatt     240
acagggatga gccactacag ccagtcaata aaattacttt taaaagccaa aaaaaaa       297
```

<210> 1101
<211> 137
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(137)
<223> n = A,T,C or G

<400> 1101
```
tcaccacact gggtccctgg atgatgaaag agtcctccnt gcngnaccac aatnaaaatg      60
tngttgtgaa tgacaaaaac atcctgtctg gttgcaatgt tttgctccca naagagaatc     120
anatcatcat gtgggga                                                     137
```

<210> 1102
<211> 338
<212> DNA

292

<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(338)
<223> n = A,T,C or G

<400> 1102
tctccttcca aagaactggt nttacnagtg gnanncacng nanccntctn anatacttgt   60
tnnaacttna tccttangga gcagtttttaa gagatggggc ctttaggtca tgagggctct   120
gctctatgaa tggattagtg tcttataaaa gggcttgagg gggccagttc cccctcttc   180
agtcccatat gccatgtgaa gacacagttc atggtgccat cttggaagca gagagcaacc   240
cttaacagac actgaacaaa gcccgtgcct tgatctttgg actttacaac ggnccaaaca   300
aggagaaat aaatttctgg tggtttacaa attaaaaa   338

<210> 1103
<211> 117
<212> DNA
<213> homo sapiens

<400> 1103
acatcttgga atctacacta ttgatattcc aacatgcaag ttattatcat gactaacaca   60
gacagaatta cctgctgcta cattccagat actgttcgaa gcactgaaga aaaagaa   117

<210> 1104
<211> 514
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(514)
<223> n = A,T,C or G

<400> 1104
gtatcttgca ccaagaagtg gaaaataaag aagagaaatg agaaccatgt ttgtattggc   60
tgtctataaa ataagagaat gaattccagc agaccccaga ctttttggca ccagggacca   120
gtttcgtgga agacaaactg tgtgaggcat ggtttcagga tgaaactgtt ctgtctcaga   180
tcatcaggca ttagttagct tctcataagg agcttgcagc gtagatcctc gcatgtgcaa   240
gttcacagta gggtccgcgc tcctgtgaga atctgatgca gccactgatc tgacaggagg   300
cggagctcaa gccgtcatac tgtcctgccc gctgcttacc tcctgctgtg cggcctggtc   360
ctaacaggtc atggactaat accgcagtgg ctcaagggtt ggggaccant gaattataaa   420
tttgagaact ctcctgataa ttcaagaaaa caacttgctt ttgagttacc tatcaaaata   480
aatttttattc anatgattgc tttgatataa aaaa   514

<210> 1105
<211> 500
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(500)
<223> n = A,T,C or G

<400> 1105
gacatgccca cggaacagcc ctcagacctg tctctgtcta cacacactcc ctgctcttca   60
gacaacagac ttccagaaac cactagcagc cacgaagtgt ggtacagaat ccaggtcctg   120
cctgaacccc aaccctacta acctgactct gctctctcat ctgcaaaatg aaagccacac   180
agcatctccc tggcagggct gttgtgaaaa gctggtgaca gcctggcatg tcacggcatc   240
aatgagtgtt ggttgctgtc atccctggca ccaagttgcc atgggcggca gtggccagag   300
gcgtctgagc tgaccttgga gaacgacaag atttcctgat atgtagggaa ggtcggaggt   360
ggggctcaac ctttcccctt ccagctctac gtggcaacag gtgggaggca acaagcatgc   420

293

```
gctgggcttt gctgttcaca cagggtgcac ctgctttcca ctcgaaacac cctnatgtgg    480
nggggcaagt gaaaattggc                                                 500


<210> 1106
<211> 138
<212> DNA
<213> homo sapiens

<400> 1106
gtttccttta cctagtcatc ctgctgcacc tcctgaacat cttaaagaac ctttggtata     60
catgaggaaa gcacagggac atggatgaaa ctggaaacca tcattctcag caaactatcg    120
caaggacaaa aaaaacca                                                   138


<210> 1107
<211> 481
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(481)
<223> n = A,T,C or G

<400> 1107
caagcgatcc tgccacccca gccttctgag tagctgggac tacnaggtgc gcaccaccac     60
acccagctaa tttttgtgtt ttagnnaaga cagggtttcn ccacgntgnn caagntggcc    120
tcgaactcct tacctnaaga gatctgcctg cctcgtgctc ccaaagtnct gnnattacac    180
tgngtgagtc actgcaccnn gcctcntatg tgtgaanntc taatncctgn ggggatagtn    240
attaggaggn ggagcctttn ggaggatgat taagncntga gggaanatnc ctcntganng    300
atantnatgc tgttgtgaag aacactcaag agagatactt tgctccttnt ccatgtgaca    360
tcctagaaga cnggactgtt tatgaaccgg tgagtcatcc ttncagaanc naannttctg    420
ngaccntgnt gntggactta cacccccta aattggggca ataaattttc ggggcttacc    480
c                                                                    481


<210> 1108
<211> 272
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(272)
<223> n = A,T,C or G

<400> 1108
atgcgctgaa gggatctgac ctgagagcan gcttcaaact catagaatgg aggacctgnc     60
ccggangtgg ctgctnnang ctgcagagna ctatgatnct gnggncaatn gcggtggntc    120
acgcctgtaa tcccaggctt ctgggaggcc gaggcgggcg natcncttna tgtcagaatn    180
ntctgacact agcttggnct catggtataa caccgtctct acaaaaaaat gcananatta    240
ttnttnctcc gtggcatcgc gcctgtggcc ca                                  272


<210> 1109
<211> 298
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

<400> 1109
gtcgcaggct ggaaggttgg aatatgccct agatgctgga gcagcgaggt gcgaacgcgg     60
```

```
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta      120
ccacgccngg ctaatatttg tatttttttgt agagacgagg cttcaccatg ttacccaggc      180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat      240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaaaaaaa       298
```

<210> 1110
<211> 448
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(448)
<223> n = A,T,C or G

```
<400> 1110
tgttctacca gggaagtgga ctcagtggat tgtaactcan agctccagag gtgactcagc       60
agtcgcagag agtgatgcat aaggaaagta gctgctatga accttcacaa acctagagga      120
gacttccaag ggcatctgcc aagttagtaa gaaaaccaaa tctgattttc cccagagggg      180
aagcaaactt ccagattgtg tgtagaccaa tagagaggcc catgtcgcaa agaagtaatt      240
tttctggcga acatccagca aggacctgaa gcctccaaca gcaacgtgag tgagtcacat      300
gagtggattc tgctccagtt gagcctggag atgattgcag cccaacctttt ctcataggtt      360
agcccaagtc acccagcaaa accaagcttg gattcctgac ccacagaaat tgngagataa      420
taaatatttt ttatttcaaa ccaaaaaa                                        448
```

<210> 1111
<211> 490
<212> DNA
<213> homo sapiens

```
<400> 1111
gctctacagg aagcatagcg ccagcatctc acaatcatga cagaagatga agagggagca       60
ggagcaagag agagacactc tctacagtgc aagttcatct aaccatgtgc ttagaagctc      120
cagagtggag ctctcactca cctggaggtt gcctcaagag atgacagtca atctacaatg      180
caaaatatgc ctgctgtgaa attatttcct acttggagag tttcagccac ctttacaacc      240
tagttctgcc cacaaggaca ccaatggtca ccagcttgat cacctggtag atagggcact      300
aaagcaagtt ttgtggatcc tcacctgatg cttcgtctgc tgcttgtcat tcatgctaca      360
cccccttttaa aaagtgcctg ctttctgctc caaaagcaaa gtgttaccct taaggcagga      420
agcctgtact tcttcccct aagctagttt tggaataaaa atgtcacttt cttttataccca      480
gcaaaaaaaa                                                            490
```

<210> 1112
<211> 135
<212> DNA
<213> homo sapiens

```
<400> 1112
gctctcgtgc ccttctgccc tccaccgtgg gatgatatag caagaagacc cccaccagat       60
gcaacccctt gaacctggac ttcccagcct ccagaactat gagaaatgaa tttcttttct      120
ttataaatta aaaaa                                                      135
```

<210> 1113
<211> 480
<212> DNA
<213> homo sapiens

```
<400> 1113
gtcatagaga caaacctaca tctgttctct taagaggaag tgattcggag aaactgagag       60
cattgaatgt gcaggttctt tcagcagaga ccacgcagag gctgcctttg gatcaagtcc      120
aggaagtgct tcccccaatt ccagaactat aagttacttc cacagtgcat cagtgagatc      180
aatatacacg aatatccccg ggcaagttgg gccgagccct ttgaagaata ctcagaagtt      240
tattttgtga atgagtagac tggaaaatgt ttgtgtccag ctgaggatgc acagttggaa      300
agcaggagga atgctgactg gttgatgaaa actagcttaa gagcattcat tcgctccatg      360
```

```
agatcaaggg aacaagagtg tttgcaagaa gccattatga gtcatggaaa aaaaagatga      420
tgaaacccat ggaaacagca agagaattcc cactctctct cttcttaaaa aaaatctatc      480


<210> 1114
<211> 360
<212> DNA
<213> homo sapiens


<400> 1114
actgagacta tggctgctgg caccacctcc tctgctgcag gttttcaaaa gtagctgcac      60
cttgagagat ggagtctccc tctgtcatgc aggctggagt gcaatggcat gatctcagct      120
cactgcaacc tccgcctcct gggttcaagc gatactcctg cctcagcctc ccgagtagct      180
gggattatag gcacctgcca ccatgctcag ctaatttttg tattttttact agagatgggg      240
tttcaccatg ttggccaggc tggtctccaa ctcctgactt ccagtgatac ctccacctcg      300
tcctcccaaa gtgctgggat tacaggctga tttttaatat ttataataaa tgattttggg      360


<210> 1115
<211> 266
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(266)
<223> n = A,T,C or G


<400> 1115
gaatactgaa tatcatcccc aggnttttca catcaaagga cccagtggag gcctcatcct      60
gtcaaaatga caaattaaaa tgaatccgaa aantttctgt ctagcaacaa ctatngcgat      120
ttggncgatg nnggccgttt tctnnngcat angcnacgaa aattttgncc gnagggnggt      180
ttnttgccct ccttcaaaca cgggagcaac atgaaagtta aatcctctcg cttttggagg      240
atccctanaa gtcaaccctg cttttt      266


<210> 1116
<211> 416
<212> DNA
<213> homo sapiens


<400> 1116
ttcctttatc aataggcaca agctgcttaa agaaaccaga tggctcgaga tggcaccaga      60
gcttcttgac ccctgaccag ataccagagg aagacctcgc aaaaccagca caaactggaa      120
taggtgactc ctatttgcat ttagatcatc agcatatctt tacaatgcta aaactccctc      180
ccctgaagga aaatccctgc catttcatgc acatataata tatgaaggca tatgttcatg      240
gatagcacct tcacgtctgg agtcccatcc catacatgct cacattcctt tcccgcccca      300
cacctagtcc ccctatgcct tctactgctt gggggagaaa gtacatttag cacaagagct      360
caccttctcc gttttctggc cagggaataa aacccgattg ccttttcaaa aaaaaa      416


<210> 1117
<211> 454
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(454)
<223> n = A,T,C or G


<400> 1117
gtattaaagc acgttgttct caatgttggc ctcaaagtgg aatcacctgg ggagttttga      60
aagctcctac ttccttgaaa ccctaatttt agagacttga tctaacttgt ctgagataag      120
caaggcaagg tacctctata gcaggtgcg cccttacaga tggaggaatg gtgagcacac      180
acttggacaa gggaggggaa gggtttctta tccctgacgc acgtggcccc tgctgctata      240
ttgttcccct attggctagg gttagactgc acaggctaag ctaattccga ttggctaatt      300
```

```
taaaaaaaag tgaggggggtg agtggtttgg tgggaaaaat ggntattnan aggntgaatt      360
caggggggac caggtaatcg gaatgaagtc angggtggga gcatgtaatc gaaaaaggtt      420
gctttaccag gaagttaagt ttaaaaccag aagg                                  454


<210> 1118
<211> 425
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G

<400> 1118
aatcaagaaa acaattcaat aagaatccat tttccttggt aacaggacac aattgaaaac       60
actgggtatt taaccaaagc ttcatctgaa atggcatant ttacggatat gacgagactg      120
ctttgaggaa tttaagcgga ccttataaag ttgatnaaga gccccttaga aagactggcc      180
tactcctcat ctacttggtt ccttaggagc ctaggaacct caagatattt ggggacctca      240
agaagagagn aattcactca ctttatgcca tattacacgc atagcctatg gnggaatatt      300
tgntttggtt tcccggcctt aaaagggttn tanaagccna atttganatt cttttttggaa      360
aacattccag caaaggcaac ttaaaanaac cttttttgacc cttcattatt tttggttatg      420
ccaaa                                                                 425


<210> 1119
<211> 317
<212> DNA
<213> homo sapiens

<400> 1119
gaacccagct gctgcgacat gagaactcaa gcttccctat gggaaggtct gcatagtgag       60
gaacagaggc ctccagccaa cagccacgtg cgtgagcctg ctcagaagca tgttatccaa      120
ctccagtcaa gcttttaggt gcctacagcc cagaacaaca tcttgactgc atcttactat      180
tcacaagagg ccctgagcca gaaccatcca tccaaactgc tgtaggattg ctgacctcag      240
aaaccgtgag ctaagaaatg tccattattt ttctagctgg cccttgagac aatattttat      300
tttaataaat agaaaaa                                                    317


<210> 1120
<211> 348
<212> DNA
<213> homo sapiens

<400> 1120
cttttactct gttctaggcc ctggaaatac aaagaagatg gacacagaca ctggtggaca       60
aggggggcact tcctggcctt ctgaagcttt gggtctgagg gaggacacag gcaggctcac      120
cacgagattc agtatcctgt gaagccttct cctaataacc ccaggcagaa ctcactgcta      180
ccagcacctg gcaggctccc tttgtgtgga ttatgtgtgc acacacgtgc acgtgatgtg      240
tttacaaact agatgtgggc cgttttgata cctccaagct aggattatgt taacactgtc      300
tgagtaatat aaatcatcac ggattaaaaa cagcttgcat tttgctttt                 348


<210> 1121
<211> 361
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(361)
<223> n = A,T,C or G

<400> 1121
gtcaaggcct ctgagcccaa gccaagccat cgcntcccct gtgacttgca cgtatacgcc       60
cagaaggcct gaagtaactg aagaatcaca aaagaagtga ctatgccctg cccaccttaa      120
```

```
ctgatgacat tccaccacaa aagaagtgca aatggccggc ccttgcttaa ctgatgacat    180
taccttgtga aagtcctttt cctgggtatc ctggctcaaa aagcacccc accgagcacc     240
ttgcaacccc cacttctgcc ggcagaaaac aaaccccctt tggactggga attttncttt    300
taccctaccc aaaatcctat aaaaacnggc ccccaaactt aattttccct tggggtgact    360
t                                                                     361
```

<210> 1122
<211> 462
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = A,T,C or G

```
<400> 1122
accgggttta ccatcttggc caggatggtc tcgatctcct aaccttgtga tccgaccgcc    60
tcagcctccc aaagtgctag aattatagac gtgagccacc acgcccggcc aacaactatc    120
tttattggaa tgtggagcag ggtcccactc tgttgcccag gctggagtgc agtggcgcaa    180
tctcggctcg ctgcaacctc tgcctcccag ggtcaagcaa tctttccacc ccagcctccc    240
aagtagctgg aactacagta gacacaggt ttcaccatgt tgcctaagct ggtctcgaac     300
tcctgacctc aaagtgattc acctggcttg ggcttcccaa agtggttggg atacaggcat    360
gagccaccac gcccgggcct naccaggaat tatatgtcaa tggaagttta agaatgtatc    420
atcgactcca gtggatctaa aacaggatgg agtctcacag cc                       462
```

<210> 1123
<211> 480
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(480)
<223> n = A,T,C or G

```
<400> 1123
cctgcctgca cccaggtgaa atatacatgc cttgttgctc acacaaagcc tgttggtgga    60
ctctcttcac acggaccgc gtgacattng gngccgaaga cccgggacag gaggactcct      120
tcnggagacc ggtncctgt cctngccctc actccctagg gagatccacc tacgacctca      180
ggttctcagn ncaaccagcc caaggaacat ntnaccaatt tcaaatntgg accncactgg     240
naatncgact gtncaacccc acagncactc ccagagcccn tggaactctg gcccaaggct      300
ctctgactga ctccctccca aatcttntcg gcttaacagc tnaagaacgg gccacntgcc     360
tgatngcctn ggaagactat aggaccatca cagatgcttt gcgtaactct tacagtggag     420
gacaggaatg tcaggcctct gagcccaagc taagccatta tatcccctgt gacttgacct     480
```

<210> 1124
<211> 448
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(448)
<223> n = A,T,C or G

```
<400> 1124
aatcaagaaa acaattcaat aagaatccat tttccttggt aacaggacac aattgaaaac     60
actggttatt taaccaaagc ttcatctgaa atggcatatt ttacggatat gacgagactg     120
ctttgaggaa tttaagtgga ccttataaag ttgataaaga gcccccttaga aagactggcc    180
tagtacctca tctacttggt tcccttagga gcctaggaac ctcaagatat ttggggacct     240
caagaagaga gaaattcact caatttatgc acatattaca ggcatagtct aatggtgaat     300
cattggcttt gggttccccc gcttaaaaag gctttaaaaa gccgaatttg anatctttat     360
```

```
      gaaaacattc cagcaaagtc aacttaaaag accctatatg accattcatt attcttgttt        420
      atgcaaataa tcaggccaag taaaatac                                           448

      <210> 1125
      <211> 202
      <212> DNA
      <213> homo sapiens

      <220>
      <221> misc_feature
      <222> (1)...(202)
      <223> n = A,T,C or G

      <400> 1125
      aagagtgtct ggcatactat atgctaatcc aacaggactg tggncttata anaagaggaa         60
      gactctctct ccaccatgag aagacacaat gagaaggctg ccatctgcaa gccaagaagg        120
      agagccctcg cctgngaggt cagccatgct ggcaccctga tctcanactt ccggcctcca        180
      gagttggaag aaaataaacc gt                                                 202

      <210> 1126
      <211> 437
      <212> DNA
      <213> homo sapiens

      <220>
      <221> misc_feature
      <222> (1)...(437)
      <223> n = A,T,C or G

      <400> 1126
      gcagctgcaa tatttaattc agcctttgga agtttttttgg gcatcgttat aacacccctg        60
      ctcctgctgc ttttttcttgg ttcatcttct tctgtgcctt tcacatctat tttttctcag        120
      cttttttatga ctgttgtggt tcctctcatc attggacaga ttgtccgaag atacatcaag        180
      gattggcttg agagaaagaa gcctcctttt ggtgctatca gcagcagtgt actcctcatg        240
      atcatctaca caacattctg tgacacgttc tctaacccaa atattgacct ggataaattc        300
      agccttggtc tcatactggc ataatatttt ctatccagct gagttttatg cttttaactt        360
      tcatctttc aacaanggaa taattcgggg tttcacacca accananccc agggggnttt        420
      nttttttttg gttttac                                                      437

      <210> 1127
      <211> 219
      <212> DNA
      <213> homo sapiens

      <220>
      <221> misc_feature
      <222> (1)...(219)
      <223> n = A,T,C or G

      <400> 1127
      tactggaacc catactggag gctacctgcc tnaaangcng tatcattgaa ttgccaccca        60
      natctttgna ccataatnng actggctggn annatttgcc accaggaaca gtgngtggcg        120
      tcatnctggc tgccctcggc gangatgtga tacaagcggt tgtgatcgna aggaagcaca        180
      cntngccctt cttttcgtc atgctgataa agaggcaac                                219

      <210> 1128
      <211> 355
      <212> DNA
      <213> homo sapiens

      <400> 1128
      gtgtctttgt cttctaagat tgcctctgca tgaacctcct ggtggctctg ctccttgact        60
      accagccaca tttttgatgt aaatgttggt gctggtcact cttcgggtct gtgctgcctt        120
```

299

```
    tatgagctgt aacactcacc acaaaggtct gcagcttcac tcctgaagtc agcgagagca
    tgaagccacc gggaggaaag aacaactctg gagcgccaac tttatgaact gtaacactca    180
    acgcaaaggt ctgcagcttc actcctgacg tctgtagacc atgaacccac cagaaggaag    240
    caagtctgga gatgtccgaa catcaagaag gaacaaactc aataactgct tagac          300
                                                                          355

    <210> 1129
    <211> 356
    <212> DNA
    <213> homo sapiens

    <400> 1129
    tctcaccctg tcacccacac tggagtgcaa tggtgtgatc tcggctcact gcaacctctg
    actcccgggt tcaagcgatt ctcctgcctc agcctcctga gtagctgcaa ttacagggac    60
    gggggcagag aaattctagc cagaaaaggt gggtcactga caaaccgcca ctctcaagcc    120
    aaaaaacctg aaaccacagg ccaaagtgag acttatatac ctgtttttcc acttgaatgc    180
    tgcttttttcc tcaaccaccc ctggccccgc cctgcgccat cctgtgccta ttaaaacccc    240
    agactcaagc tagtacatgg gactatggct ggacgtggga aaacactgct caaaac        300
                                                                          356

    <210> 1130
    <211> 603
    <212> DNA
    <213> homo sapiens

    <220>
    <221> misc_feature
    <222> (1)...(603)
    <223> n = A,T,C or G

    <400> 1130
    ggaactgagg tgtctgtgcn gtgcanaaac tgtacaactg tatacagtga ccatttctac    60
    tctgggtctc taaacaaggg ctggtatcgt tacagagact gaagactgag gaagaccatc    120
    tctgtaggat gccaaggatt gactggagaa agtctggagg gagtctcgct gtgtcgccca    180
    ggctggagta caatggtgca atctcggtgc tctgcaacct ccccctcccg agttgaagca    240
    tttctcccac ctcagcctcc aaagtagctg gaattacagg catgcaccac catgcctggc    300
    taatttttgt attttttgtag agatgacgtt tcaccatgtt ggtcaggctg gtcttaaact    360
    cctgacctta ggtgatccgc tgcctcggcc tcccaaaagg cacactttca atctggctcc    420
    tgccacattc tacctaacat tcctagtgnc agccatagtg aatcactgat agctgntccc    480
    aacccactga gctttttctc tgcangcctg catcacccnt tctgcccttt ccctgacacc    540
    cctcaagngg ctaactgnta cttcntntta ncttcttcca cgaaggctgg ccttaacttc    600
    tct                                                                   603

    <210> 1131
    <211> 261
    <212> DNA
    <213> homo sapiens

    <220>
    <221> misc_feature
    <222> (1)...(261)
    <223> n = A,T,C or G

    <400> 1131
    aagggtgaat tttagggcan atgatggcgg cttgactgaa cagagtgtgn cccagntctc    60
    tctncattaa acataanacg gctagtttgc cntctcaggc tcctgggcta actcctcgng    120
    ctgtgnngga cctaccnata tacacnnnaa cataancnnn ttgtggagtc ccaggtttct    180
    tcanntctgc caaggaacan attaatttnt ccttttntaa annntaanct atgcaaacaa    240
    tatataccaa ctattaaacc t                                               261

    <210> 1132
    <211> 587
    <212> DNA
    <213> homo sapiens
```

<220>
<221> misc_feature
<222> (1)...(587)
<223> n = A,T,C or G

<400> 1132
aacctgttct caaggaaaag agctaaggta ggctgccaga taaaatgctg aggtgatcca   60
gaattactcc cgaactctac cagctgaaat cctcctcaac tcacatcaga caagacggcc   120
ctgccactta cctgtcanat cactttgggc agtttacagg agagaagatg cagcctggga   180
gagatgcagc aggtgtctga ggccacacag caagtcaccc agggccagga tctgaagctg   240
ggtctctcca gctccactgc ctgggcactt tctcctccac agcgaccttc aggtcatcat   300
gaggagcctt tcggactaaa gctagagagc tgggattcca acagttcagc aacccatgac   360
ttctccatgg cagctgctgc ctgaccacct agtgcctttc actaagantg ntccttccct   420
ctcctgaaaa ntattctcct gccctntntt ccaaacattt ggggngggca cctgctgccc   480
aaaagntgaa cttttttttg ttaaaaacaa ggcctcactg tgtcatncaa gctggaatgc   540
aatggcgtga tcatacttac tgnaagctcc aacttcttgg gctcaag   587

<210> 1133
<211> 335
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(335)
<223> n = A,T,C or G

<400> 1133
tgggactcct gcttaantca naactggngg ctctgaaagg ccattcccca naanggtcnt   60
ttcatngnct ttngganntt nnnngcgtnn ccccaaaaaa tattaccagt acctacagca   120
tgtcacctaa gcactggtca agtggatatt actcaaccag aatgcaaaca tttctattgg   180
ttttaagtaa gacctgaaag aagctgggcg cggtggctaa cgcctgtaat cccancagtt   240
tgggaggctg aggcgggcgg atcatgaggt cagatgatca agaccatcct ggctaacatg   300
tgaaaccccc tctctactaa aaatacaata aaaaa   335

<210> 1134
<211> 490
<212> DNA
<213> homo sapiens

<400> 1134
gcttgcacca aaacatcaga tcttcctggg ccttgagata gctagttttc agactgcaac   60
tacaccatca tctctcctgg ttctcagacc ttcagactta gactgaaact tacataatca   120
gctctcctgg tctccagctt gctgacagca gactttagga cttgttagac tccacagtga   180
aagatcactc tgactgctac atggaaaatg tgctggggag aaacaagact gcaggaaata   240
agagcagtga acaagctctt gctgtaattc aagtcaggtg tagaagctgg agctggagca   300
gccattctga actatgtcgg taagggcggt actcccatgg tggcttggaa gtgagctgga   360
gggcaccaag gtgcatgatg atatcatggg gttcccatag atacccagga tcacgaacat   420
cagatttcat tttcatgaga cagaaataaa ttcctgcttg ggtcaaagat acatatcata   480
aaaggaaaaa   490

<210> 1135
<211> 250
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(250)
<223> n = A,T,C or G

<400> 1135
cccaagctaa gtgatcatat cccctgcgac ctgcacatat atatccagat ggcctgaagc   60

```
aactgaagaa ccacaaaaga agtgaaaata gccagttcct gccttaactg atggcattcc       120
accactgtga tttgttcctg ccccacccta accgaccaat tgaccttgng acattccttn       180
tccgggggcaa tgaatctcaa gagctcccca ccaagcattt ttgggacccc ccttctgccc       240
acaaaaaaaa                                                              250


<210> 1136
<211> 573
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(573)
<223> n = A,T,C or G

<400> 1136
aaaggagtcc acagaggcgg gcngaatgaa tgaatgaaag gcaacgtctt ccggtcagct        60
gcggactgca aaggctctgg tctggctgta tttcctcgcc cgattgaccg ccagcgatac       120
gacgagaacg aggacttgtc ggacgtggag gagatcgtca gcgtccgcgg cttcagcctg       180
gaggagaagc ttcgcagcca gctgtaccag ggggacttcg tgcacgccat ggagggcaaa       240
gatttcaact atgagtacgt acagagagaa gctctcaggg ttcccctgat atttcgagaa       300
aaggatggac tgggaattaa gatgcctgac cctgatttca cagtccgaga cgtcaaactc       360
ctagtgggga gccggcggct tgtggacgtg atggatgtga acacccagaa gggcaccgga       420
gatgagcatg tcccagtttg tgccgttact acgagacgcc cgangcccaa ncgggacaag       480
ctgtacaacc gtcatcaanc tagagtttca accacaccaa gctggaacac ttggtcaagc       540
gtccgatgng gtanacctgg tggactgggt ggc                                   573


<210> 1137
<211> 558
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(558)
<223> n = A,T,C or G

<400> 1137
gactgtcact ctggagctta gcaccagcac cccgcctatg nnnggtgcag ggccntgatn        60
atattnagca cnttnngntt gaccttggnt ttnatcgggn nggcggncan ggngntgaaa       120
acagccttgg gncctgnccc anctgcctcc tcccagcatg ctggcttgct ggcgctgtaa       180
ctctatgctg agccttcacc ctaannngag tgctncctca gagcacagcc ctattgttgc       240
tgagccntan gaacctngat gctgtagtga gccagaanct ncactatcac nagctgtgga       300
aggctttctg aaactgnaat aggttnctgg atggagaang gcccacccan gccagcacat       360
ganctaatga nanggnggga cancntgaac agncacgtcn gctntacttn caccctgaga       420
gaatgctcnn aaagacattt tttgcatcca cccaactaac tnanaatctt gntgcatcct       480
tctgnnccat ngggacgncc gncaggcctt cagttttact taccaagccc ttcttcgcac       540
ttcctgtagg ggaaatcc                                                    558


<210> 1138
<211> 594
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(594)
<223> n = A,T,C or G

<400> 1138
tggactctgt cagaccccac ctagacccgc tccaagaccc agacactcat cgccagctgc        60
caggagcacc agtcacagcc ggctcagagc tgaaacccc cgcacccagg agtcaccttc       120
agtggggagc atgccccagt ctgcctctgc aggcaaatcc ccagctcaga gcctgtgtcc       180
```

```
aggaatcccc aggctctcag cccaccctgg cctcctgagt gaggtcatca gaaggatgat      240
cagagggggg tcgatacacg tgtgctcagt gtcaggcctc tgagcccaag cctgcacgta      300
tacatccaga tgaagcaagt gaagaatcac aaaagaagtg aaaatggccg gttcctgcct      360
taactgatga cattaccttg tgaaattcct tctcctggct caaaagctcc cccactgagc      420
accttgtgac ccccactcct ccccgcacag aacaaccccc tttgactgta attttcactg      480
nccgccaaac cctataaaac ggcccacccc atcttccttc cctgactctn ttttcttcgg      540
actcagcccg cctgcaccca agtgaaataa acaagcttgg tgctcaaaaa aaaa           594
```

<210> 1139
<211> 597
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(597)
<223> n = A,T,C or G

<400> 1139
```
gggaaagtct tgcccgcagg tgttgatgac atacttccag ggaacttcag aggccacaag      60
gtcttccagg cagttcaggt cagcctggag cctggagatc cccccataga caaccgactc      120
cctcttggaa gccagaaaag catttgggaa gcagctgagt aactgtttca ctgcaccttt      180
aaaggcatcc gtcgccttct gatccaggtg cacacagtag acattttggg gcatataaat      240
cgccctgaag agcctctcaa aagtgccgaa gtctttgtgg atggtcactg tgtaagctaa      300
agggaaccca gcctcttctt cagagagtgt ttctgttaca tagtggcttc gaaccatgta      360
ctcatagcag gtagcttcat caagggtagt tttcaatgca ttttctgttg ggtaaaaaac      420
tttcccctca aaaatctgat gacaggcttc tgctaacagt gaagcattgg acagagctgc      480
cctcagaaaa cgtttattct cccataactc aagtattgna aacaaataca aaaatcaggg      540
cagaaataag agacgcgctt aaaaagacaa gtgctttcaa gaacccatca ttcacaa       597
```

<210> 1140
<211> 150
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(150)
<223> n = A,T,C or G

<400> 1140
```
tgctgaattt gatgacttga ttgggaagtt gtctgccaga tcgcccccgt tgcaanagtg      60
agngattgac anntccccgc gtttggnaac ncatttnctg gacganctta ataactgngg     120
cccctatttt nggtattaaa aatctttatt                                       150
```

<210> 1141
<211> 462
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = A,T,C or G

<400> 1141
```
acccaggaca ggaggactcc ttcgagagac cagtccccca nccttgccct cactcggtga      60
ggagatctac ctatgacctc aggtcctcag accaaccagc ccaaggaaca tctcaccaat     120
ttcagatcgg atcttctcag cttagcggct gaagactgac gctgcccgat tgattgcctg     180
ggaagcctcc tggaccatca cagacgcctt gggtaactct tacagtggag gacaggaatg     240
tcaggccggc ctctgagccn aagcatgcat gtatacatcc agatggcctg aggcaactga     300
agaaccacaa aaagaagtga aaatggctag ttcctgcctt aactgatgac attacttgng     360
acanttcctt ctncgggaca gngaagtntc cggaagctnc ccactgacac cttgtgancc     420
```

```
ccgcccctgc ccgaagaaaa caaccccttt aactgtaatt tt                    462

<210> 1142
<211> 109
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(109)
<223> n = A,T,C or G

<400> 1142
ggcgtgcttt tggggtcatc ggcaaaagaa agtactttga atgtatcnga acagtttcgc   60
agnctncttt tgatgaaaga ttgacaaana cgattcttgt atggttttt                109

<210> 1143
<211> 219
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(219)
<223> n = A,T,C or G

<400> 1143
cccaagctaa gtgatcatat cccctgcgac ctgcacatat atatccagat ggcctgaagc   60
aactgaagaa ccacaaaaga agtgaaaata gccagttcct gccttaactg gatggcattc  120
cancactgng aattggttct ggccccaccc tactgaccaa ttgaccttgg gacattcctt  180
ctccggggca atgaatctna ggagctcccc accaagctt                         219

<210> 1144
<211> 105
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(105)
<223> n = A,T,C or G

<400> 1144
gtgttgtgag ttactgctgc ctacancctt tngngcccgt tcancctggt taactccaag   60
ctgaattgnc caatnctttt gctttttacc ctggaagaaa tactc                  105

<210> 1145
<211> 137
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(137)
<223> n = A,T,C or G

<400> 1145
ttactattta tactaatatn ncttanttnt tngntatnnt agancaccct tttgagcacc   60
gttcagcctg gttaagtcca agctgaattg gccanttntt ttgcttttta ccctggaaga  120
aatactcatt aagccac                                                  137

<210> 1146
<211> 341
```

<212> DNA
<213> homo sapiens

<400> 1146
acaggaatgt caagcctctg agcccaagac tgcctgtaca catccagatg gcctgaggca   60
actgaagaac cacaagagaa gtgaaaatgg ccggctcctg ccttaactga tgacattacc   120
ttgtgaaatt ccttctcctg dacaatgagt ctcagaagct cctccactga gcatcttgta   180
acccccaacc ctgcccgcaa gagcaggttg actgtaattt tccactacct acccaaatcc   240
tataaaactg ccccacccca tctcccctttg ctgattcctt tttccgactc agcccgcctg   300
cacccatgtg attaaaaagc tttattgctc acacaaaaaa a   341

<210> 1147
<211> 377
<212> DNA
<213> homo sapiens

<400> 1147
catgtttcct gagaacctga cctatgacaa gactactaca aacaatgctt ctatgaacat   60
tcttgtccat gtttcctgat gcacgtgtgt ccaggctggc ctccttttga ggaaatgatg   120
attgaacctg ggtttctggg aagagccatg ttttctttgg tgtctacatg tatccactca   180
ttccacctga gctagagcca gcaagtaaga agtacttatc aatccttggg ttccaatgtt   240
ttcagaagag cacaagtccc atgaggctag ggttaaggtg tgaggaagcc ttctgaatac   300
cctattccct cttttaagat gctcattaat tagcatatga aataaaagtt ttgataaagc   360
ctggagtaaa gaaaaaa   377

<210> 1148
<211> 318
<212> DNA
<213> homo sapiens

<400> 1148
ccaagactgc ctgtacacat ccagatggcc tgaggcaact gaagaaccac aagagaagtg   60
aaaatggccg gctcctgcct taactgatga cattaccttg tgaaattcct tctcctggac   120
aatgagtctc agaagctcct ccactgagca tcttgtaacc cccaaccctg cccgcaagag   180
caggttgact gtaattttcc actacctacc caaatcctat aaaactgccc caccccatct   240
ccctttgctg attcctttt ccgactcagc ccgcctgcac ccatgtgatt aaaaagcttt   300
attgctcaca caaaaaaa   318

<210> 1149
<211> 112
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(112)
<223> n = A,T,C or G

<400> 1149
aaccttgaaa gaaatggacc caaaataagc cnagcnagcc tgacatggca gcacgcactg   60
agaatttta aanacctttt gagcaagttc agcctggtta agtccaagct ga   112

<210> 1150
<211> 144
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(144)
<223> n = A,T,C or G

<400> 1150

```
aaattataat acaatccnta tnacctttat tcttggagca ttctnattcn acccttcaga       60
gcttgttcan cctggatnac ntcaanntga ntnggccaan tctttngctt nttaccctgg      120
aagaaatact cataagccac ctct                                            144


<210> 1151
<211> 457
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(457)
<223> n = A,T,C or G


<400> 1151
agctctcctt cagggtgtgg atgtgtggtg gcagtctgga gatcgtcccc tgcagccggg       60
tgggccatgt cttcaggaaa cggcacccct acaacttccc tgagggtaat gccctcacct      120
acatcaggaa tactaagcgc actgcagaag tgtggatgga tgaatacaag caatactact      180
atgaggcccg gccctcggcc atcgggaagg ccttcggcag tgtggctacg cggatagagc      240
agaggaagaa gatgaactgc aagtccttcc gctggtacct ggagaacgtc tacccagagc      300
tcacggtccc cgtgaaggaa gcactccccg gcatcattaa gcaggggggng aactggttta      360
aaatntnang gccanaacac aactggngac ttncttgctt ggaatgggga tctgcaaang      420
gtcttgccaa aacccgcagc ccgcccagca tggctga                             457


<210> 1152
<211> 149
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(149)
<223> n = A,T,C or G


<400> 1152
taataaaggg agaaagccct tttngngcac agttcagncn ggttcaganc aagctgaatt       60
gggcacttct ttagccnttt taccctggaa gaaatactca tnagccacct ttgttatnna      120
cccccaatct tttaaaagaa aaaaccgtg                                       149


<210> 1153
<211> 388
<212> DNA
<213> homo sapiens


<400> 1153
gaggactcag gaagcctccc atttatacca agaaggccaa gcagcaatga aatgtttcat       60
attccaggag tagaggcaag acagaggaaa gatgccacat cctgttatac aaccagatct      120
cgagagaacg cagtatcagg agatcagcat caagaagatg gtgcttaact attggtatct      180
ctatagcagg ttggctatgt agtaataaca caaaacccga tttaaggggg aacattcaag      240
aagacttcag aaatttgcat ataaagaagc cctgtgctaa tggccaagac aaatggaaaa      300
aggccttgaa gacatttcac agctcctctc tgcagttcta attttctgta ttatcctaaa      360
taaaagaag gttcattgga aaaaaaaa                                         388


<210> 1154
<211> 153
<212> DNA
<213> homo sapiens


<400> 1154
gaagaggggg ctatagactc aactctcgtt atggaaatac ttatggtaaa ggaattatgt       60
cttacagaat atgtgaggca aaactgtcca tttgcaaata actaacacac tgtctgcact      120
gatgggaagc tgatgctttc atccagtgca caa                                  153


                                306
```

<210> 1155
<211> 312
<212> DNA
<213> homo sapiens

<400> 1155
gggtgtccgg aatggaacat gaaagcggac caggagcgtg accgctgcac tgacgcttcc   60
gctagaccac agtctgctcg gcgacgggtg tcttcccaga tgctggcatc accgctagac   120
caaggagccc tctggtggcc ctgtccgggc atgacagaag gctcacgcac ttgccttgta   180
gtcacttgtc actcaccatg tcccttcagc tcctatctct gtatggcctg gtttttccta   240
cgttatgatt gtagagcgag gattattata atattggaat aaagaagtaa ttgctacaaa   300
ctgaaaaaaa aa   312

<210> 1156
<211> 227
<212> DNA
<213> homo sapiens

<400> 1156
tggggagctc ctgcttaagt cagactgagg tgggggtctt tcaaaaggaa aagatgcgga   60
gacagacaca tgtggaggga agatcatctg aagacaaaag agaagacagc tgtctgcaag   120
ccaaggagag gagcctcaga agaaaccaac cctgctgaca ccttgatctt agacattcag   180
ccttcagaat tgtgagaaaa taaatttctg ttgtctaagc aaaaaaa   227

<210> 1157
<211> 188
<212> DNA
<213> homo sapiens

<400> 1157
tttggactca aaaaagacaa gttttggaag gtggaaagag gcatacaagc acaagacatc   60
aaatcccatg taaagtcaga aagaaaaaca ccaactctaa ccctgtgtcc tcacagagaa   120
tatcaacatc ttcaaacaaa aacaccccaa aaaaaggtta ataaataaac cagatttcca   180
aaaaaaaa   188

<210> 1158
<211> 383
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 1158
gccctctcac acttggngtg acatcaagat aaanancgga ggtggatggt ggatnnaaca   60
tgaccgcnng ctntcctacg gtgantntat cntgggggcc cgcngatnta ncacatggna   120
anggctggcc nagatccact tttttggtgc cgaaanaatc tggtgcntan cccctggcaa   180
ggctgnttgn cgcctgtggg tgnggacacc ccaattncga caacccttca ttcngggttt   240
natntggcgn gcnntttttc tttggnacna ncccattttc ttattaccat tcttctggcn   300
attaaacctc aaaatcacat gtcttggcca aggaaggcct cccaaataat ancaaaacaa   360
atcccntttt ggtcaaaaaa aaa   383

<210> 1159
<211> 107
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(107)
<223> n = A,T,C or G

<400> 1159
ataagaatgt gacctttag agcnngttca gcctggntaa gtccaagcnt gnattgngcc   60
gaattctttt gctttnnacc ctggaagaaa tactcataag ccacctt   107

<210> 1160
<211> 553
<212> DNA
<213> homo sapiens

<400> 1160
tttctcttgc cccaccatat aagaagtgcc tttcacctcc tgccatgatt ctgaggcttc   60
cccagccatg taaaactatg aggaaactga agcgaaagaa tgttgactaa ttttgtcaag   120
gtcacacaac tggtgtcctg agggagaagc tggtgccctt tatcacacag ctaacaacgc   180
tcctggccca tggatcagag aagttgaagg aaaatacaga ggaagttcta acagtggcag   240
acctaattac tgcaccatgc caagcaggta atccagcaga aaggaatgga atctgagcta   300
acctaccatg tttgtactgg aagtcctgcc aacagcattt aaggaggcct gcctctcctg   360
cagtcaggtg tgaccaaagg agtatgagtg aaagtaatgt gtgcctctac aaaacctgac   420
gcatatgaag aaacaaacca tccatccaca cctgatcctt gtcttctcca tctgccagct   480
gaatggagag aaacaaagaa ctcctgctga cccacactgg actatgacat gagcaagaag   540
cacactttgc aag   553

<210> 1161
<211> 546
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(546)
<223> n = A,T,C or G

<400> 1161
ggccaacagt attttgttca agtctcggct tacaatatga aaggatgggg acctgctcag   60
accacgacac cggcatgtgc ctctccttct aactggaaag actatgacna caganagccc   120
agacncaagg gacagagtga agttttggaa ggtctgctgc agcaggtccg agcccttcat   180
cagcattaca gttgccggga aagcacaaaa ttacaaacca caggccgcaa gcagtcagtc   240
tcaanaagcc tgaaacacct gttccattcc tcgaacaagt ttgtgaagac cttaaaacgg   300
ggactctaca tagccgttat attttattac aaagacaata tcttagtcac caatgaagat   360
caagtaccaa ttgttgaaat agatgactct nacaccagnt ctattacaca agattttctg   420
tggttcacga aactggcttg gatgtgggaa gatatnaggn ggctgaggca aaagcatacc   480
aatatcctca ttctcatnca cagnggctgc aaactcgcag aanatgttgc cacacaagca   540
caagtt   546

<210> 1162
<211> 141
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(141)
<223> n = A,T,C or G

<400> 1162
caaaatgaga tgtgacngaa cttgggtnat tntttattga tattaantag ttaagncntt   60
tttnnagagn ngngagtnga acatnacctt ttgagcangt tcagcctggt taagtccaag   120
ctgaattggc caatttttttg g   141

<210> 1163
<211> 443
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 1163
gactcaggtt tttaattaat tgactggata aacatgtcag gcctctgagc ccaagctaag   60
ccatcatata ccctgtgacc tgcacgtata catccagatg gcctgaagcc actgaagaac   120
cacaaaagtg aaaatagcca gttcctacct taactgatga cattccacga ttgcgatttg   180
ttcctgccct tccctaactg atcaatggac cttgtgacac tccttctcct ggacaatggg   240
tctcaggagc tccccactga gcaccttgtg accccaccc ctgcccgcaa gagaaaaacc   300
ccctttaact gtaattttcc actacctacc caaatcctat aaagactgcc tcacccctat   360
ctcctttgc tgacttcctt tttcgaacta agtcnggcct acacccacgt gattaaaagc   420
tttattgctc acccaaaaaa aaa   443

<210> 1164
<211> 465
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

<400> 1164
gccaccaagt tctattgaac atcatgaatc ctatgctcaa gtgagatcag ctcaagtgag   60
accagatatc tgaagacctt ttcattttcg ccaccctcaa atgaaggcat gcaagacatc   120
tgtcatgtga gtttacagtg agaagatggc catctatgaa ccaagaagta ggcattctcc   180
agacaccaaa tctgctggca ccttgatctt gggacttccc agcctccaga actgctcata   240
ggcagaaggg acttgtcttg tctcaggtga gactttggac ttggactttt gagttaatgc   300
tgaaatgaat gaaaactttg ggggactgtt gggaaggcat gattgtgttt tgaaatatga   360
aaaggacatt anatttnggn aaggaccagg ggagtaacga tatggcttgg gtctgtgtcc   420
ccccaaaact catgttgaat tataattctt agggttggga aaggg   465

<210> 1165
<211> 178
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(178)
<223> n = A,T,C or G

<400> 1165
actatgttgc ccacgctggt cnngaactct tgagctnagg tgaggttncc tnctcngcct   60
cccaaagtgn tggcattaca ccttttgagc atngttcagc ctggttaagt ccaagctgaa   120
ttggcctcgc tggccatttc ttttgctttt tacctgggaa gaaaatactc ataagcca   178

<210> 1166
<211> 475
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

<400> 1166
gaatcctgtt cacgatgctg gtatttggac caagcctgcg ggtttatcct gggctctttc   60
tgtaccaaaa tctacgtgga tgcggtcttc attgacacaa gtaacctgga catcactccg   120

309

```
gacgacccccc gctggatcgg agcctggtgg ggtggctttc tgctctgcgg tgccttactc      180
ttcttctctt ccctcttgat gtttgggttt ccacagtccc tgcccccgca ctcagaccccc      240
gccatggaaa gcgagcaggc catgctctcc gaaagagaat acgagagacc caagcccagc      300
aacggggtcc tgaggcaccc cctggagcca gacagcagtg cctcctgttt ccaacaactg      360
anantgatcc ccaaagggaa ccaagcacct gctttnaaac cctgngttca cctgcatcat      420
cctggccgcc tgcatgggga ttgcaagngg nggctggctt cctgcttttt gggga          475
```

<210> 1167
<211> 101
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(101)
<223> n = A,T,C or G

<400> 1167
```
tcatgtggaa actgaccagg cgatgggacc aactntgnaa ttccacagca ntnctctggc       60
ngggtcactc ccactttgnt agngatgtgg ttatttcctc a                          101
```

<210> 1168
<211> 311
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(311)
<223> n = A,T,C or G

<400> 1168
```
gccctgcggg ttcatattct ctggngaatt tcnagacgac tgggattttn tngnngnnct        60
acccctgaac agcaagacca atacatcctg tatttcctcc tcttcagcct acttgtgaag       120
acaaggatga agacctccat gatgaagcca tctccactta atgactgtct cacattggcc       180
ggcaacttgt tccaagtttg tgtcttcana ttacaataat tncatgtaaa gatgatgctg       240
gcacaaggct ttcaacccat nccttcttct gacccanaag ataaagacat cctacctttg       300
agccttttaa a                                                            311
```

<210> 1169
<211> 118
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(118)
<223> n = A,T,C or G

<400> 1169
```
gggacagccc tcctgggaat ctacattgng gttcccccgc attcaagctc aagggtcttg        60
angaaggttg tgacgccctt atgacccgca gagatctaga cagtcgtaaa cagtcccc        118
```

<210> 1170
<211> 417
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(417)
<223> n = A,T,C or G
```

<400> 1170
```
gacgcgtgag acatttggtg cagaagacct gggtcagagg gactccttcg ggagaccagt   60
ctcctgtcct catcctcact ccgtgaagag atccacctat gactttgggt cctcagacca   120
accagcccaa ggaacatctc accaatttna aattggnaga nacaaaggag acacatttta   180
tnaatgggcc cnaaactccc ggncaagggn acgggctcaa aaaaacaagc cntnccttgg   240
gggttaanca ttggggggat gcccggctga ttatttactc ccatttcatt gggggggtgna   300
acnccanggg anccccgncc tgggnatttc ncttcccntt tccccngggg ggancnccnc   360
ccctttacca tnnaaaaact gggggcttgc ctgatcaccc ttaaaaaccc ccctggg   417
```

<210> 1171
<211> 551
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(551)
<223> n = A,T,C or G

<400> 1171
```
acaacttctc ctcatgaagt acangagtcc cccacctcca ggaaaaagag acaaagacca   60
cgagaaggac ctgagaaacg cctgtgaccc cgcccctgag gccagcctct ccttcagcgc   120
tggctctggc tgtgtgtgtg agctgggaca gttatattca tcagaacagc acggtgtcaa   180
ggccctcacc cccagaaagc ttaagagaca ctgttttatg gaggagagtg agattggagg   240
aacccctgac tccaggtctc ctgatccttc ctacacaaag cgaagctgaa aaaaagtgca   300
ggacactcca tttcctcctg ggaccagaca gggaagccag agccaccatg gatgtcaaat   360
tccagcaagg aaacaccagt atagcaaaat ctccacatca catttaaag ctcacacaat   420
ggctcaaaga gacccacatc aaaaaaccga attnctagct caagtgagat caccaaagtt   480
gcctgtgang cttcgtggaa cctgcangta gaaaaggaca tctttatttt gagctgcaac   540
ccaatttgtt t   551
```

<210> 1172
<211> 462
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = A,T,C or G

<400> 1172
```
cctctgaaga gtccctacca gcaagaaggc tctcaccaga cgtggcccct tgaccttgga   60
tttctcagcc ttcaaaactg ttatgtcaaa gttttgaagg cttttccagc ataccaaaaa   120
ttcaggggga aaggaattga caagggatgt aacaagatca gcagccacac aaactcaaat   180
gtcctcaaac tccagagttg catccagagg ttttgacccc catgccccac tccttgccat   240
atcccaagga tgttctttgg gagggctgag caagatgcag caaggcactg ggggagaacc   300
cctcagcata cacaggaaat ggccnccaca gctttgggct gaaagtccat aaaggggctt   360
aaattttaaa aacctggaac nccttccctt gaggaaaccc tnaagttcag ggntagcttt   420
gnagcaactt caccctaaaa ttttctacag acagaattcg tt   462
```

<210> 1173
<211> 229
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(229)
<223> n = A,T,C or G

<400> 1173
```
gtaccttctg ctggaagatc aagagctttc ttcttggaca cctaaaaanc cacagtcctc   60
```

```
cagtgaaagg atccagggaa nantttccan antttaacgg ncataatcgc ctacctggtg       120
ccaacggntc aanaaataac acaggcaccc tgggcnaatn caccagttan atgntggaga       180
nggacaacng ttgtncaatt tattccacng cncacccctt aaagtacca                   229

<210> 1174
<211> 393
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

<400> 1174
ctgtcctcat cctcactccg tgaagagatc cacctatgac tttgggtcct cagaccaacc        60
agcccaagga acatctcacc aatttcaaat tggtagagac aaaggagaca cattttatca       120
gtggacccaa aactccggca caggtcacgg actcagaaag acagccttcc cttggtgttt       180
aatcattgtg gggatgcctg cctgattatt cactcacatt ccattggtgt ctgatcacca       240
cggggacgcc tgccttggtc attcactcac attcccatgg ngatcttctc aacttaacca       300
gttgaagact gatgctgcct gatcacctca aaagcccctt ggaccatcaa ggatgccgag       360
cttcaagtaa ctcttacagt ggaggagacg caa                                    393

<210> 1175
<211> 163
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(163)
<223> n = A,T,C or G

<400> 1175
tctgagataa actctataat gtnttggata aaaataacat tgcaancccc tatttgnata        60
naatgnggat nggnttttttn aaatnaaagg anggtntagt tggntttttta tangaccaag       120
acggttatta nccgacatnc tcggaaagaa atttgtatgg cct                         163

<210> 1176
<211> 177
<212> DNA
<213> homo sapiens

<400> 1176
gtccctcact agcctccctc tagtcccagg ccctccctat gagctttgaa aagcttggga        60
aagtcaagag aatgagcaga caagtcacag attgggagaa gacatttgca agacatctga       120
taaatgctgt cactcagaat acaaaagaac tcttaaaact caatagaaaa caaaaca          177

<210> 1177
<211> 291
<212> DNA
<213> homo sapiens

<400> 1177
tgggtctcta tgtttccagt tccgagaaga ttcaaagcag tctataggat gcctccaatc        60
ctgctttcc actcccctcc caatagaata aagatacagg ttctcatgtg agtggaactg       120
ctggctttat aagaagaaat acctgagcca gcatactcac ctgccttacc atgtgatacc       180
ctgcactgct ccagtactct gcagagagtc ctcaccagta agaaggccct caccagctgt       240
ggccacttga ccttagactt ttattagcct ctatatgtgt aaaaataaaa a               291

<210> 1178
<211> 583
<212> DNA
```

312

<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(583)
<223> n = A,T,C or G

<400> 1178
agaccgggtc tcattatgtt gcccaggctg gcctcccaaa gtgctagaat tacaggtgtg   60
agccactgca cacggcctac tttgtaataa taacaaacaa tacagccgct actttttggt   120
agtttcaaac catgatccca gaattttttg attcatcaaa aggtagaacc tatgtcatct   180
accgttgaat ccagactgtg cgattgcttg accaatagaa tatagaagaa acgttatgcg   240
acatccaagg ctacatcata aaatgtgaca gagcttccac tgggttctcc ttgtcttaga   300
gcccanccac catacgatga ggaagcccaa gtagctgaag agaggagagg cccaaacaaa   360
ggaaccaagt cccctggacc acagctactg agctccagcc aaccagaaag cgccaactta   420
acaaccgcta gaggagccat ctcagaaatg aattctgcag ccccctggtg agctccagct   480
gatgccatgt ggagcangaa cgaactgtcc ctcaacatnc tgcccaaatt gnggatgngt   540
gagcaaaata aatgactggc atgtcttaag ctctaaaaaa aaa   583

<210> 1179
<211> 416
<212> DNA
<213> homo sapiens

<400> 1179
atccataatg gattcctggg acattttcag atctccttcc agcttcctct tcgccctttc   60
caagtccgcc cgcagtttct tctcctgctc taaggaaccc tcaagctgag aagacacaca   120
gatggagtct cgctgcgatg cccaggctgg agtgcaatgg tgcaatcttg gctcactgca   180
accttcgttt cccaggttta agcaattctc ctgcctcagc ctcccaagta tctgggacta   240
caggcgagcg tcaccatgcc tggctaattt ttgtattttt agtagagatg tttagtagag   300
agtttcacca tattggccag gctggtcttg aactcctgac ctcaagggat ccgcccacct   360
tggcctctca aagtgctggg attacaggcg tgagccatat ttctctcaca tacaga   416

<210> 1180
<211> 447
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 1180
gacccactg gaaatcggac tgttcaactc acctggcagc cactcccaga gcccctggaa   60
ctctggccca aggctctctg actgactcct tcttggctta gtggctaaag actgatgctg   120
cccgatcgcc tcggaagccc ctagaccatc acggatgccg agcttcagaa ggcaggaatg   180
tcaggcctct gagcccaagc caagccatcg catcccctgt gacttgcacg gaaaggacca   240
gaaggcctga agtaactgaa gaatcacaaa agaagtgaaa aggccctgcc ccgccttaac   300
tgatgacatt ccaccattgt gatttgttcc taccccacct taactgagtg attaaccctg   360
ngaattttct tttttttggt taaaaanctc ccccantgac accttgggac ccccgcccct   420
gcccaccana naacaacccc ctttgac   447

<210> 1181
<211> 378
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G

<400> 1181
gaggctatga ggctcactgg tctccagaaa tgtacctctg ngtgcgggaa tgttccagaa   60
ggccacactg tctacagggc cattgcttca ctgcagatta aatgtcctcc canaaccttc   120
cagggcacta attgcctaaa cagctctggc ggggagagaga dacagagaag tgagcagcct   180
gaacagcang ctgttaagcc tgcaacttga catcaanaat ctgcncnatg tctgcaagag   240
acagaggaag accttgcagg acaatcatct ctgcatggag gaggcaatga acagcagcca   300
cgtaagggac ttggcancag ctgctcaccc ctgctctctt gacttctgcc tttgcttcct   360
tggggcgggg aaaaaaaa   378

<210> 1182
<211> 475
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

<400> 1182
gtgtgataca atttcaagaa aataatttgt aattaagaaa aatcagacaa gatggagaac   60
aagaacaaat gtggagatga cttccagagg caagaaaaaa cacttcacag aagaatgttt   120
tctttcaggt gagagttcat gcttgtgggt ttgactcaaa gacatctccc aaaggacaag   180
gaaatgtgga gttttgctct tgttgctcag gctggagtgc aatggcgcga tctcggctct   240
ctgcatcctc cgcctcccgg gttcaagcga ttctcttgcc tcggcctccc gagaagctgg   300
gattacgggc atatgccacc acgcctggct aattttgtat ttttagtaaa ancccgggtt   360
ttttccaaat ttgggccagg gttggtttta anacttccca accccaggng gaatccgccc   420
gcctcggcct tccgaaaagn gcttgggatt acagggcatt gagccacttg tgccc   475

<210> 1183
<211> 417
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(417)
<223> n = A,T,C or G

<400> 1183
cactcccaga gcccctggaa ctntggccca aggctntctg actgactcct tcttggntta   60
ctggctaaag actgatgctg cccgatcgcc tcggaagccc ctataccatc acggatgccg   120
agcttcagaa ggcaggaatg gcaggccnct gancccaagc caagccatcg cattccctgn   180
gacctgcacg gaaaggacca gaaggcctga agtaactgaa gaaccgcaaa agaagngaaa   240
aggccctgcc ccgcttaact gatgacattc caccattgtg atttgttcct accccacctt   300
nactgagtga ataaacccttt gggaaatttc cttnttttgg gnttaaaang cttnccccac   360
ttgagcacct tgtgacccc gnccctgccc accaananaa caacccccttt ttgactg   417

<210> 1184
<211> 262
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 1184
agaacaaaag caaaaggaag ttttgctgct aactgtctct atcaagtttt tctacattga   60
agacaaactg tgtatgtgat ttgttctcct caaatgagat attcagggtt tctgcttttg   120
cgtcttcgtc attctctctt tgcctgccac catccatgta agatgtgact tgctcctcct   180
tgccttctgc catgattgng aggcttcccc agccacgtgg aactgtaagt ccaattaaac   240

314

```
ctctttcttt tgtaaaaaaa aa                                                262

<210> 1185
<211> 104
<212> DNA
<213> homo sapiens

<400> 1185
atttattatc tatctgctac tccattctct taaaagcctc aaggcacaaa gtaaatggtc        60
aagcaatggg agtactgggt cacaaggatt tcttcctttc cccc                        104

<210> 1186
<211> 257
<212> DNA
<213> homo sapiens

<400> 1186
ggtcactgaa agagatgagc tgaaacccgc atgtgttttg ccaggattgc tggagaacct        60
gaatagttaa gggaaaaaac ctgcattcca gactgactca ggaacaagac tgactagatt       120
tgatcattac tgcaattcag tgacagatag atgggagggt tcattttact attctttcta       180
cttggacata tgcttgtaat tttgcattta aagcactgaa aatttaaata aatacattta       240
gtccagagca aaaaaaa                                                      257

<210> 1187
<211> 322
<212> DNA
<213> homo sapiens

<400> 1187
agggcggagc caggtgtacg ggatggaaca tgagagcgga ccaggagcgt gaccgctgca        60
ctgacgcttc cgctagacca cagtctgctc ggcgacgggt gtcttcccag atgctggcat       120
caccgctaga ccaaggagcc ctctggtggc cctgtccggg catgacagaa ggctcacgca       180
cttgccttgt agtcacttgt cactcaccat gtcccttcag ctcctatctc tgtatggcct       240
ggtttttcct acgttatgat tgtagagcga ggattattat aatattggaa taaagagtaa       300
ttgctacaaa ctgaaaaaaa aa                                                322

<210> 1188
<211> 260
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(260)
<223> n = A,T,C or G

<400> 1188
accctgcatt ctgatggacc agctggtgca acccagactg ggaatccata caacgaaact        60
ggcttacctg gtcttgtgat cctcacccag gaactgactc aacatgagaa gacagctttg       120
accccctatg atttcactct caacccacca atcagcattc ccattcccta cccccactta       180
ccactaaact gtccttgaaa aacctagtcn tttgaatttt ggagggaggg ctgatttgag       240
taataaactc ccatcctttc                                                   260

<210> 1189
<211> 109
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(109)
<223> n = A,T,C or G
```

<400> 1189
gacctgccga gtgggaagag ccgtgnntgg cccggnctcc cagtggngac nacaanctnc   60
ctgtgttcgt ggcaacggca ctctcaaatc ttgncacggc tgatgggaa   109

<210> 1190
<211> 104
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(104)
<223> n = A,T,C or G

<400> 1190
cctagggcca caggtttatc cgagatgncc ntctctgnag acaacgntct ggataccttc   60
acccatttnn tgaaaggtna aatcaaattg ggaaagccaa aaaa   104

<210> 1191
<211> 405
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

<400> 1191
attccatcta ctatctagaa agagcagttc caaatgggaa atgatgaggn ctcatgatgt   60
tgnccaaggt ggagtgccgt ggctattcac aggcaccgat catagtagca ctgtggactc   120
aaactcctcg gctcaaggaa tcctcttgcc ttagcctcct gagtagctga nactaccaag   180
ggaatttaaa caaagnttna agaaaatgag tttttcattn tgngtatncc atttttatcc   240
taagttatag gaatgccata ttttnggaat aactttggtn tcattaaaaa agnagcacat   300
tgtctacatn taagatatca agaagttatt gaagaaaatg aaatcaccta tcagaaataa   360
cccctggtta acattttaat gcatttncta gaccatatat ggtac   405

<210> 1192
<211> 109
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(109)
<223> n = A,T,C or G

<400> 1192
cgatgtacac agctgtgggc ttctgaatgg ccgtcccttt ggctatccac cgccgncggc   60
agaccactgg gattctgtgg tttctacaac agaggtctgg cctgactcg   109

<210> 1193
<211> 441
<212> DNA
<213> homo sapiens

<400> 1193
gtggatgcaa aggtgttacg atgaggttga atatattgac cagaaaagaa aacattatag   60
tcctttgttg aagaagagtt ttctcatact ggaaagaaga acaataaaag aaagaaactt   120
caaaaacttc atgctgcttt ctgaagtact ccagccaaag aaaataattc aggtatcaag   180
ttggactagc tcagatgact acaaaatgct gacttatata agttattagt cttctagaag   240
gatcacaagg aaccagcatc aaagaaatgg aatccagcta attcccccaa gaaactgaag   300
ttttcgggac atgacttgtg aaaggcaaac ataagctgac atcttttcac actgaaccag   360

316

```
caagagccaa agtgtttccg aaaagccatt gtcaaaacaa ggagtgagaa cagctggggt    420
caagacctaa tgaagggcat c                                              441
```

<210> 1194
<211> 459
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G

<400> 1194
```
gtggacgggc agagatcaca gcaaagatgg agccagattc atccctacca gaaatccatc    60
ccaacccaac acgtccaact gaaggcagac agagtttcac tctgtcgccc aggctggagt   120
gcagtggcac ggtctcggct caccgcaacc tncacctncc gggttcaagn gactttnctg   180
nctnatcctn ccaagtagct gtgattacag gtatgtgcca ccacacccag ctaatttttg   240
tattttttagt agagacaggg tttcaccatg ttggccaggc gggtctcaaa ctcctgacct   300
caagtgatcc acctgnctng gnctntnaaa gngnttgnat tacaggcatg anccaccatg   360
accgacttaa gaatttttag aataggaaac caaaaggaag cccgaaagag ccaaatcngg   420
cttggaaggg aatgcctaca natttccatt ggaactttg                          459
```

<210> 1195
<211> 450
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

<400> 1195
```
gctacacttg ggtgtggaca gctaacttgg atataagaaa acatcaagta tcacatctgg    60
gagaatcaca aactagaagg ttccagtata catgtgcagg acgtgcaggt tgtttgcata   120
ggtttttgag gaatcgccac actgtcttct acaatggtca aacgattac attcccacaa   180
cagtgtaaag gcattccaaa aagatggagt ctcactctgt cgcccaggct ggagtgaagt   240
agcgcgatct tggctcactg caacctctgc cttccaggct caaagaatcc tttctccttta   300
gcctctcgag tagctgagac tacaggagta tgccaccacg ccctgctaat tttttgnatt   360
tatagntgca ttgggtatat tttggggnat gtaaattata tctcatcaaa attgttcttt   420
ttttaaaaga aagcaacaag tggtcaggaa                                    420
                                                                    450
```

<210> 1196
<211> 358
<212> DNA
<213> homo sapiens

<400> 1196
```
ggtgttgctg aaaatgtcag atgcaaattt ggatagcagc aagaagaatt tcttggaggg    60
ggaagtagat gatgaggaaa gtgtgatttt gacactggtg ccagttaaag atgacgcaaa   120
tatggaacaa atggaaccaa gcgtttcttc aacttctgat gtcaaactgg agaagcctaa   180
gaaatacaat ccagagtctc actgtattgc ccaggctgga gtgctgtggt gtgatctcag   240
ctcgctgccg cctctgcctc ctgggttcaa gcaattctcc tgcctcagcc tcctgagtag   300
ctggagctgg gattgcaggt gtgcacccc atgcccaggt catctacttc aaacaaaa      358
```

<210> 1197
<211> 473
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature

                                    317
```

<222> (1)...(473)
<223> n = A,T,C or G

<400> 1197
ggctgtccgt ctcccagatg ctgctcttca gggctcctgg cgccagtgct gaggtgacag   60
agcaaaggtc tgaaaactgg ccccttcacg cagcagtgtc caaagcgggg ggcatggcac   120
accccctctg gcttccacat ggcgggcaca ggccacaggc acaggatctc tgcagaaacc   180
aggcagtgga acaacgccaa ccccacactc tcgggtgcct gtgtgtgcca tgtctcatcc   240
tgggccatct cctcttggat ctgccaggcg tgttggcgat gaggaccctg cggcagtggt   300
tgggctccac caacaagtgg taaagctgga acttctaaaa ggacaaagtc cgggaatgac   360
tgcccttgcc gcttgaagga gggcaaggtc ttnaacttgg ttggggngcc gngcctggcc   420
acaatttttt taattttaag aatnggtnaa ttggggcntt tttttgcaaa cct   473

<210> 1198
<211> 497
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(497)
<223> n = A,T,C or G

<400> 1198
gtatactgca acatccagat ggcacagttt tgaaacagtt acaaccacct ccaaggggcc   60
caagagagct ggaattctat· aatatggttt atgctgctga ctgttttgat ggtgttcttc   120
tagagctacg aaaatatttg ccaaaatatt atggcatctg gtcacctccc actgcaccaa   180
acgatttata cctaaaactg gaagatgtga cccataaatt taataagccc tgtataatgg   240
atgtaaagat agggcaaaaa aagctatgat ccttttgcct catctgagaa gattcagcaa   300
caggtcagca agtacccatt aatggaagag attgggttct tggtgcttgg catgagggtt   360
tatcatgttc attccgatag ctatgagaca gaaaaccagc attacgggag aagcttaaca   420
aaagaaacta taaaggntgg agctncaaat tttttataat ggggncnggt naaaaaanaa   480
gctgttgctg cccattt   497

<210> 1199
<211> 513
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(513)
<223> n = A,T,C or G

<400> 1199
ttcctagact cagggcagct gtgacccgtc ctcccagaga aatcattaaa ccacaangat   60
tcagacagag cccagagccc tgaaaacttt ggccacncac tttcccgcag cagccacagg   120
caccggnaac ttcagagagc cagataaaag tggaatgagg aatgcagccg ttctgaacac   180
caccctccat ttcattctgg aaccgggaag gtacacccag gcatgacaat agcttctctc   240
ctcacagaaa tttaactggc cgggcacggt ggctcatgcg tgtaatccga gcattttggg   300
aggctgaggc agactgatca cctgagttcg ggagtttgag accagcctga ccaacatgga   360
ggaaccccgt ctntactaac aatacaaaaa aattagccca gtgnggtggn acatgcctgt   420
accccaacta cttgggaagc tgaggcaaga gaatcgcttt gacctggaag gcggagggtg   480
cagnaagnca agaatgtgcc attgactcca ggc   513

<210> 1200
<211> 410
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(410)

318

<223> n = A,T,C or G

<400> 1200
```
ataaaagtgg aatgaggaat gcagcccgtt ctgaacacca ccctccattt cattctggaa    60
ccgggaaggt acacccaggc atgacaatag cttctctcct cacagaaatt taactggccg   120
ggcacggtgg ctcatgcgtg taatccgagc attttgggag gctgaagcag actgatcacc   180
tgagttcggg agtttgagac cagcctgacc aacatggaga aaccccgtct ctactaacaa   240
tacaaaaaaa ttagcccagt gtggtggcac atgcctgtaa ccccagctac ttgggaagct   300
gaggcaggag aatcgcttga acctggaagg cggaggntgc agtaagccaa gattgtgcca   360
ttgccttcag cctgggcaat aaaaagtgaa actcttgtct caaaaaaaaa              410
```

<210> 1201
<211> 195
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(195)
<223> n = A,T,C or G

<400> 1201
```
ctgaaatccc ggcgctgaag actaacgccg gacccctgag atctgtgagt tntgggtngc    60
angccgactg aaggaggaat atcagtccct tatccngtat tgtgnctnnn tnccaccgaa   120
tgctnnacat tcggatttgg nttntcgtnc nggtagtcca acangggaaa gtgaacctcg   180
gtgggttttg ggaaa                                                    195
```

<210> 1202
<211> 387
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(387)
<223> n = A,T,C or G

<400> 1202
```
gaattctacc ccctcttctt tgttatgctc agatgctgat acacagaaat tctcctgccc    60
caacaaagga tgggcttcaa cccactgtct cctcctagac tttaattagg aaccattgga   120
ctttacacag taggggggaaa aaaaaagtct ttggaaagaa actgaagcca gatgtctcta   180
ggttttctag ngccaacagg aagccaccag ctgaactccc agttctcaag catttgcaag   240
acagaggaat gtgggagagt tcccttacct gagcanactc ttcttccagc cgtcttttct   300
cttcttctgc atcgatcaac ttctgtttgg catcagcagc tccttattca gagcatctgc   360
cttttcctca gcctgaaaca tttaaaa                                       387
```

<210> 1203
<211> 393
<212> DNA
<213> homo sapiens

<400> 1203
```
agaaacatcc acatggctgg taagcaggag gtgctctggt aaaacaagta taaaatgaat    60
gtcaggatgt tctccctcat ggtgggcatc ttctctgtcc ttaataccac ccagttcttc   120
atctttgacc tgaaccagaa gacacacatt tgctatgagg ccaagttcag catctacgtg   180
gactcaaagt cggagctagt cacttggacc ctgttccaca gggctaatat cagcactggc   240
ctctccctcg ccaccatcat catcggctgc ttcctccttt attgtatcca caagaatatc   300
tacatggggc tgctgatcta tgccatgtgg atcatcactt acgagctcat caacttctcc   360
atagtcctgc tcctcaacgg gatcatcaaa gat                                393
```

<210> 1204
<211> 399
<212> DNA
```

<213> homo sapiens

<400> 1204
actgcattca aagcctcaga taacaacatt tgtatacatt ttcttcagta gctgttactc    60
cagtaaagaa gggctgaatc taaatcttca agagaaattt gaattttcca actgctcttc   120
tgcatcaagg atctccaaga ccatccccag gttggaggat ttgctaagag gaatcacagg   180
actcagtgta cagtcatctg catgggtatg atttatttca gcaaaacaac acaaagcaaa   240
accagtaaag agaaaataca ctggggtgat gtctcaagga aactaggcac aagcatctaa   300
gagtcctctc ccagtggcgt cacacaggac acacttgatt tctccagcat caaagatgtg   360
acaacacatg tgaaagatct acccacccag aaaggccaa                          399

<210> 1205
<211> 395
<212> DNA
<213> homo sapiens

<400> 1205
aggaaaaagg tttaatcgac tcacagttca gcctggctgg ggaggcccca ggaaacttac    60
aattatggca aaaggtgaag gaggcccgag gaaacttaca gttgtggcaa aaggtgaagc   120
aaacatcctt cttcacatgg tggcagaaag gagaagaatg agcaaaatgg ggaagagccc   180
cttataaaat catcagatct cgtgagaact cactcactat catgagaaca acatggaggt   240
aactgcccct gtgattcaat gacctcccac cgggtccctt ccacaacatg taggaattac   300
gggaactaca attcaagtat tcttccttgg atgaaaggac taggagaaag ccctgcaacc   360
ccacgagtcc gcccgtttgt tgaaatcaag tcaag                              395

<210> 1206
<211> 349
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(349)
<223> n = A,T,C or G

<400> 1206
cagccgcggg aaattaatat aactgcgaat ctcctcattt cccctgntng ngntngnntg    60
ncctcctacc catctgagag aaacagaact cagcaagcac tggtgancca ggacananaa   120
ttgtcagnct taacgaagga gaanggntaa ctnnagaaan tnctaagcca tttgagaact   180
cattctccnt ggttcatcaa gcatgatcaa gattaaggat tcatacacac ctgcttntct   240
gatgggagag ngtntnttnt naaannacca atttatttcc ttgtnnaagg ngggcngaag   300
tctcccttgg aaggagnaaa ttcccnagac cctttataat ggaaccttt               349

<210> 1207
<211> 478
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(478)
<223> n = A,T,C or G

<400> 1207
caatactgct ttatattttg tttgggaagt cactgctcct gaaatctaaa taggcatctt    60
ctacaagtgt ctgctaagaa ttaatattgt accacttcag taaaatatgt taaactgtgt   120
ccagacttgg ttccttccgg tgtgtgttcg tggtctcgct gacttcaagg atggagccgc   180
agaccttgga aatgagtgtt acagctctta aagactgcat ggacccaaag agtgagtggc   240
agcaagattt gctgtgaaga gccaaagaac aaagcgtcga cagcgtagaa ggggacctga   300
gtgggttgcc actgctggct ggggtggcca gctttattc ccttatttgn cccctcccac    360
cgttctattt ttttggttgg gttggttggn tggtttttga aaaangaagt ntttgttttg   420
tttcccaggn tggantgcaa tggcccnatt ctcggcttca ctgcaagcct caacctcc     478

<210> 1208
<211> 550
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(550)
<223> n = A,T,C or G

<400> 1208
```
ggccgatgtc cattggaatc actgngatgc tgatcataca caactatttg ttcctttaca   60
tcccttattt gatgtggctt tactttgact ggcataccc agagcgagga ggcaggagat   120
ccagctggat caaaaattgg actctttgga aacactttaa ggactatttt ccaattcatt   180
tcattttcac actgctgata aagacatatc caagactggg aagaaaaaga ggtttgaaag   240
acttacagtt ctacatggct ggggaggcct cataatcatg gnggaaggca aggagaagca   300
agtcacgtct tacatgggtg gcggcaggca aggagagagc ttgtgcaggg aaactcctct   360
ttatgaaaca atcanatctc atgggactta ttcactatna cgagaacagc atgagaaaga   420
cctgcccccca cgagtcagtt acctccaact tggtcccttc cacgacatga aggaattgtg   480
ggagttgcaa ttcaagggct gntttcantt tccaaaaaaa gnggtcctac atggtaagca   540
aggagggagg   550
```

<210> 1209
<211> 317
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(317)
<223> n = A,T,C or G

<400> 1209
```
tttaggcctg gagttnttgt ttntgngata ggcaanantc tcccccaggt gaatgggctg   60
nttaaaaagt tntttggctc cttaccaaac ttttgggcca gggggcattt tgtgccctgg   120
gggngaccgn ggttaaaagc aatggtttaa acaatgnngg gggagancca aaaanaccaa   180
gccggattgg gacctggttg ggnnaaaaaa nggnccttn ctttaccctt gggggaaaaa   240
gnccettggg ttttttttta agnccttga nccccccttg ggnaaaaaag ggtttttttt   300
ttggcaaccc tttaaac   317
```

<210> 1210
<211> 514
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(514)
<223> n = A,T,C or G

<400> 1210
```
aattatattt tcatcttttg ggatttcaac acttgagatt atgganttca agttgtattt   60
ttctgnatta taatangctt tcttctaaaa tcaatctcan ttgataactg gaaacaagca   120
aaggaggatc tggacatgag gaagtaacaa ccagacanaa gtcttcatgc aatactgcgg   180
cccatccaga actgaacctc aagcattcan actacacaag ctctgaccta ctggaaatgc   240
tttattcagc tcactacaac cacctttgaa agcctcctgc agctctatcc cccaggtnga   300
tccatcagca tgaagctnta cggaaaacat aacatggctc tagtcagtga gaaagattca   360
gcaagggcca gtgatctcaa cttcccacag tctggaaaaa tgctgattgc ttgagttttc   420
ttctccgtgg ctttgacata tnccanacag caagggttaa gaaatgggac atgctgaagt   480
aatcaaaatc tntgagatca acaagttctc caag   514
```

<210> 1211
<211> 125

<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(125)
<223> n = A,T,C or G

<400> 1211
gattcacgtt tgcccccca tcttttaaat cntcttccag ccctngccgg atttctgcat       60
cggaattgga ttggatcaca cccaaaagaa gagcccagga actcgttcac caccttgcac      120
aaagg                                                                  125

<210> 1212
<211> 135
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(135)
<223> n = A,T,C or G

<400> 1212
acaccaaact cccatccntc tgttactcac tgctgttgca aagccaaact ttatatngct       60
aatttntcgc nacttgggan ccnnccaaat gncaaggcgn gacntccngt gccttcaagc      120
tctgaggtct ggctg                                                       135

<210> 1213
<211> 584
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(584)
<223> n = A,T,C or G

<400> 1213
atgagctgaa actgaagcca ccagacaagg tgctttctac tatttccttc cctttctcca       60
ggcagaggag tctcttctca ggtccaccac caccacagtc ctacagggag tacagccaag      120
agatggattt tctccatgtt acccagtctg gtctcaaact catgggctca aggtgtccac      180
ctgcttcagc ctcccaaagt gctggaatta caggtgtgag tgaccacacc tggccaagaa      240
taatatttta tagaagcctg gctaatacaa ggaatgctaa gtctctagat caccatgaaa      300
atgtactagg agaaataaat tctaaacttg aatgccattt gaagatcctt ggaactatga      360
aatatcccta tatttgctaa tgggtaaaaa tacaaatgca taccaaactt cactaaatat      420
atacatgaag aattgcaacc tttccagcca tgcatacaaa ttctccaaaa gacaacataa      480
aaggngcata cacattgagg attatcatgt cttcttggaa gattgctctg gttatgtaat      540
gcctcacatt atcgctgata attttncatg cactggaagc ctgt                       584

<210> 1214
<211> 569
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(569)
<223> n = A,T,C or G

<400> 1214
gtggggtctt tcagaagaga gaagaagagg aggaggaaga aagaagaaga gaggaagaaa       60
gaagaagaca accaagacga caatgaagac gacgactaac tcccagggtc aacggacttc      120

322

```
accgacggca ttcactgcgg aacagccagc tgtgcctgag aggggaagcc agcccttgcg    180
aatggagtca acggtgctgg ggccatcttt tgtccctcac gctcctggcc tgcccagtac    240
aagctggatg gagcctaggg gaggctgctt ggcgacgctt ctcccaactg ccggagcgcc    300
tgtaacctgg tcccatggat gtctccattc tagtgaccct gctgggctct gttcgtgaag    360
gtctgcggat ctcagcctgt cacctcccag ggtccccgct attctgtagc agagccacag    420
agaaagagca catgtgccct ggagtggctc ccgctgtcaa gggtaacttc atgtccaagg    480
ctgtggaaag agaatctggg aactggtcat cttnctgaaa aatgcacttg tctggctggg    540
tgcaagtgaa gtcatgcctt tgaatcctg                                      569
```

\<210\> 1215
\<211\> 418
\<212\> DNA
\<213\> homo sapiens

\<220\>
\<221\> misc_feature
\<222\> (1)...(418)
\<223\> n = A,T,C or G

```
<400> 1215
gatgttctgc tgcttagcca agttcatccg gcctcatggg aagcatgctg gcccgaaaag     60
gatcacaggc ctatgncagg aaagaaacac cgcagaatcc gaggagtgtg tgaaagaatg    120
gcccacccga gcaaggtcta ttaaccaaat caccaaggcc ttcgctttct tgaaangaat    180
tggttccgaa aaagcaaaac cccnacttca acccggtacc ttgacgccgc ttgggcttcc    240
ttggcttccc gtccaagccc caatcttaca aaaaaagggc ccccgcttgg aacaaggggt    300
gcgcattgcc ccgtgggggt caaccccttt ntgaagggac aatggtctgg ntacttnaan    360
aacacccttg gnaagcctgg nttcacttga ccaaaaaaac canggctttc caaaaatt     418
```

\<210\> 1216
\<211\> 475
\<212\> DNA
\<213\> homo sapiens

\<220\>
\<221\> misc_feature
\<222\> (1)...(475)
\<223\> n = A,T,C or G

```
<400> 1216
cctttgactg acacatgang ccttctctgg aggtaagctg gggttataaa accttccatg     60
agtgagaggc cgaatccatc agtcatctca gaaaacctca cggccagttc tactccatat    120
gaaatctgtc tgggcatcaa tctactgatg gatgcaatga agatgtggct caacactatt    180
cttactgtga ttcagtggag tttcgtactc ggcattggat ggctgcataa catccaggag    240
agacataaac ataagaagaa aacttaggaa tggaatcatt atcaagaaaa acaaaccaca    300
aaggaaaggg aaatttggac ccagagatac attcagagag aagatgatgt gaaggcacag    360
gaaggatgcc ctgtgnacat caaggaccag tgcctggcaa acctaggana gaaggctaca    420
acagatcctt ccctccagcc ctcanatcga actgaccctg caagtacctt gattc        475
```

\<210\> 1217
\<211\> 573
\<212\> DNA
\<213\> homo sapiens

```
<400> 1217
agctgctgct gcacacggaa gcccttgaag gacaggccct gagctgtgtc ctcgtcctcc     60
tcggccacca acctcgcagc tagaactgcc atctgcagat ggaaggtcac agccctgatc    120
tctggaggcc aggaagagcg gcagactgcc aggattccac caaccccctac aaacccagga    180
aaaggagctt cagggctggt ggcaacatca tttgctcaag aaaacagagt tctggttttt    240
ccaagatgga aaacagaggg gaattggtca aaagggtctc ctaactcata cattattaca    300
gccttatgaa tgaacaggaa caccatgtga gggggcacgt cttgctgaac tcaaaggaaa    360
tacgtcctac caggcaatta ttctgatcat tatagttgat tctttccaga gaccacgaac    420
atgcggatag tgatgagtga gcaacacata tgcagaaagc actgagggga cagagtacac    480
agagactggt ctgtcaatgc tactactgaa gcaggtcgac aagcaaagcc tcaccttctg    540
```

```
ccaaggagga gctacgggga accaccctac tct                                573
```

<210> 1218
<211> 591
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(591)
<223> n = A,T,C or G

<400> 1218
```
gccgttcccc caagagtgga gaggaacgtg aaagcctcaa atgagtctgt gcagggacag    60
cagtagagac ccagacctgg caccaagtcc tggtcctccc tccaggggag atcagtctcc   120
ggtgtacggt ggcaggctaa cggaggtgac caggtcatca ttggtcaggg gctggcttcg   180
gacacgctct agcatcttca gacctgcaaa agaattgcct ggagctgaag aaccagagtc   240
ccattactgg ggcccttagt aggcccagac tccaccagga aggttccaga gaggatgtca   300
ccccagccca ggtcttccaa ggtaacccat ttactcctcc ctgctacc ct ctcctccctg   360
agcaatcgca tgccacaaaa atgagccctt cccttcccaa tggactctgg gaagcacctg   420
gattccccag ccacacaagg gattcttcac gaatccaaga tgccacacaa cacagccaga   480
actccaccat caagccctcc accttcacag ttcggccaan gatacctacc tcgagcgtga   540
cacttggagt cctggctccc cacgcaatgg aacatgagca agcaaccact g             591
```

<210> 1219
<211> 114
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(114)
<223> n = A,T,C or G

<400> 1219
```
gatgaaggtt ggacaagaag acgaggcttg anagtgacat cttntttatc anggaagtta    60
agctttcaat ccactggccg agtcttgaat ggaaggatct aattatacac ccgg         114
```

<210> 1220
<211> 574
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(574)
<223> n = A,T,C or G

<400> 1220
```
accacaccag cagaggggct gtcacctcaa agaagtcacc tccgccaagg ataaaatcca    60
cttgatcagg atgcatgatc tttgtaacgt gctgttgaat ttggtttgct aatattttgg   120
actgtgttgt taaatttcca cacatgtccg gccgccatcc catctaggaa gtgaggagcg   180
tctctgcccg gccgcccatc gtctgagatg tggggagcac ctctgccccg ccgcccgtc    240
tgggatgtga ggagcgcctc tgcccggctg caaccccgtc tgggaggagt tttgtctgcg   300
gctcatcctg ctacatcaag gtacaagaaa gagaatttcc tgtgctacat caaggtacaa   360
gaaagagaat ttcctttgca atcccttggt ggtggtggtg gcagcagtgt gtgtatggag   420
ctcattgatg gaattacaaa tatgttccca gtgtttttgt tgncttatca gaagggttga   480
tcaaggatat gtaacctact gcaaagaca gaataatggc cccccgaaa gatatccatg     540
ttccagacta cgtcacagtc tggaacctgc aatg                              574
```

<210> 1221
<211> 451
<212> DNA

324

<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

<400> 1221
agtctcattc tgtcacccag gctggagtac agtggtgtga tctcagctca ctgcagcctc   60
tgcctcccag gttcaagtga ttctcatgcc tcagcctccg gagtagctgg gattacagtg   120
actccacacc cacagaagga gagggggatg aagaaatctg ccaggagggt gcctcccgcc   180
agtatctgat gaaggtaaga gagtgactca gccctggcct catggaccct ccacaggctc   240
tccctccctc aagggtgcag gtgtgtcccc acctcggatt ggaggccagg aaactaacca   300
caatctcctg gctatgaaac ctggcccctg ccttggaggc aaaacagggt gaaatacagg   360
caggcaggat ncccaaccac aaaagctcaa gttangtcat tttttgggga catgacaact   420
tggttgtttn ntaggtcac caaaaagaga c   451

<210> 1222
<211> 180
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(180)
<223> n = A,T,C or G

<400> 1222
tcaaggaatg tggattanca ccagcgtgat ttaatgaaca ggacactant tctaacgtga   60
accgtttcac tatnacgccc gctttaaaat gaagggcttt cngaaacccc ntgcggacnn   120
tttttnacnt aaaccnggaa atatnnctcn tctanatgca tgaaatcatg ttggagatct   180

<210> 1223
<211> 469
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(469)
<223> n = A,T,C or G

<400> 1223
gtggggtctt tcccggccaa tgcaccaaat gaaagatttt cgaattcccg gcccatgtac   60
caaatgaaag accctcgagg gaagaccctc actcagacac tcaagtcccg ggacagccgc   120
gtacccaaga agacactgag accatacata aaatgtagaa ggcaataggg aggcccaagg   180
agagagagag acatggggaa acagccagtc tgtggagcgt cagaacgtac gtcgacgtcg   240
cattgacaga ttaagtttgt cgtcttatgt catccaactg ttcatctaca ccaagagaat   300
gctgtgtggt cataatcttt cctcccttga aatcctgggg ctttttcccc tctggagtcc   360
ttccctgtac aagcttccaa agcatgaact ttctttctgg agcatngnaa gaaagctttt   420
ttgttgngtn cagcaacccn cccaagttaa ataaaaacct actttctttt   469

<210> 1224
<211> 186
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(186)
<223> n = A,T,C or G

<400> 1224

```
caacagtgca taggtgaatc agggagcacc tgtaanatgt ggtgagnagg atgatgctta        60
ttgggtcana caacagcttg naccccttgan taccaaccac ggcccgtgga ggtgatttca       120
gttctgcgaa agagatggnt gggctgaata agngggaagg tttgtgacan gaactgtggg       180
catttt                                                                   186


<210> 1225
<211> 434
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(434)
<223> n = A,T,C or G

<400> 1225
cttgctctgt cacgcaggat ggagtgcagn ggcaangatg acaactcatt gnagccttga        60
cctcccagct caagtcgncc tcctgcctca gcctcttagg accaangtgt gcaccaccat       120
gcctggctaa ttttttttgat tttttgtaga gatgggatct cactacattg cccaggctgg       180
tctcaaagtc ctgggctcaa gcaattattc tgccttgtcc tcccaaagtg ctaggattac       240
aggcagtgag ccactgcacc tagcctagct tttttttttt gcaattgtta cagtgatgac       300
cccaaggagt catctgtctg tgccatgctc ccttnccatg ggaccttcct tgctcctccc       360
atnaaaagca gaggctacta cnacacctct tgtattgagg ctgctttgtg atttgctgng       420
actaatgtaa taca                                                         434


<210> 1226
<211> 449
<212> DNA
<213> homo sapiens

<400> 1226
tccttccaag tgttcctgaa acaaggagat atttgaagtc tctccagcct gatatcccca        60
gtggaaataa gtcaatgttg gaacaagaag tatgagcaac cagaatttaa aaaaatcttg       120
ctaaggttct gaacatagaa gaggtctgtt ttcctatcat tcgacactga aatgacgttt       180
ccaggataaa attctccaat tcatgtcgag tgtgcttatc catgttttcc ccagtagagt       240
caaactcttg atgacggtat ttagcagttg gtaaatgcct agtgtgctga gtctgtgcag       300
atctgatact cttcacagtc cctgcccaag gccccggatc ctgaatctta caaaatgcaa       360
tggaatcttg aaaaatagaa aagacatggg ggcaagtatt caaaacttac cctaagtgct       420
tctgaccctg aatagctaag gctcaaaat                                         449


<210> 1227
<211> 456
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(456)
<223> n = A,T,C or G

<400> 1227
atggcagcat ggagtaagtg gttaangccc gtggactttg gaatcaggtt ttctgcgctc        60
aagtcttgtc actgcgatct actagctgtg tgaccttggc aagtgagtat gctgtggagg       120
cccatgagca aggatctgag agaggctcct gtccaacaaa cagctgagaa ctaagaggga       180
ccaacagcca gcaagaaact aagcctgtca gtccaacagc ccacaaggac ctgaatcctg       240
ccaacaacca catgaacttg gaagtggctt cttccccagt caagtcattg gatgagatca       300
cggagctggc tgacatctta actgcagcct tgtgaaactc tgaagtagcg aacccaggta       360
agccatgatc agacccaaac cactgtcaga aactgngaga caataaatgt gagttatttc       420
aagctgctca gttnggnggn attataatat tggtat                                 456


<210> 1228
<211> 571
<212> DNA
```

<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(571)
<223> n = A,T,C or G

<400> 1228
gcactaggtg gtttgtagca agcccttcca ctgaggacgc ccagaggagc tgcacaaaac   60
agtccagtcg aaggcctgcc ggaaggcact ggagagctga cggtgggatg aagatccacg   120
caaaggaaac atggggaaag gtgagctcag catttggggt cactttttcc ttgagggcga   180
ttgccagtgt canaagaggt ggctgagggc tgagcggtgc tttcgcagat tgtgaggata   240
acggagagaa ggtggtggga gcttgttcct ggcttgcatt tttggttggg accgcgcanc   300
actacacccg cgcatacggg tggactggag acctgcacca gtcctggcga gatttgctgc   360
tcagtttcag agaatatcaa actctacagc tggatttang attgcccatg ccctcggcac   420
ctggaagaag ccatttgaat acctttctgg aggaagatag cagcattcta ngtctcatta   480
tttctattaa caatggttaa aattttaacg nccagcccac aataatagta gctaggncca   540
agcagaaaca agactgcccg aacgaatgcc a   571

<210> 1229
<211> 150
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(150)
<223> n = A,T,C or G

<400> 1229
cacagattcc tggccaaacc ntggtnccag ctttnccaca gtgtcggtgg cntttattan   60
cctagntgag gcctgctcat gtacctctna ttaataaatg cttttgcatt natatccata   120
ctatataaag atctctcaca acaacaaaaa   150

<210> 1230
<211> 432
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(432)
<223> n = A,T,C or G

<400> 1230
caactgaagg cgagaaagag cgagaaggat gctgtttctg agaaggcctt ccttttttc   60
ctctggagaa agtgaaatcc taaatccatt ccctcatttt ccctaactcc tgaagagaat   120
gggaatctac aggtctctat ccctggtgag cccggaggtt gagttttcac aagggcagca   180
agaagaatcc cttctcctct tcctgtccac cttctgaaga ggaggagaca gagccgggtt   240
gcagatcctc accaaagtgg atgctgttcc cagaggaagg aaggcccccc cggggcaagg   300
ttgccaacat gaccccacag agaccaggaa caaacgttct tggcttttgg acttcacttc   360
ttcacagagc cagaagttac agggccaacc tgaagatggt atcatgactc acacacactt   420
atttctcagc cc   432

<210> 1231
<211> 289
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(289)
<223> n = A,T,C or G

<400> 1231
atgaagaaat caaagttcag gaatggtaaa tgttctgatc aaggttgttc tgctggagtg   60
gtggttgatc tcaagcttcc cgcaagcctg ttgactacag cattgatcag ttcgcctaag   120
tttcctgact gtaaatatca tggctgattc taatatcatg cccnaagcct gncnttnana   180

```
gagatggngc tnccaattgn tttacnattt tanntgggtt cnaatcaacc cagtattaat      240
cngaatgtcn tcnaggctnt gagctccccn ttctaaatct ggggattcc                  289


<210> 1232
<211> 288
<212> DNA
<213> homo sapiens


<400> 1232
agtcaaattg atgtacagca aagcacacca gactccgtac ttgatggatc agctgacacc      60
acccagacca gtatctggct caaccagttc tgccatccca cccaggaaca gaaaacagca     120
ggaaaaactc acttcgaccc tctatgactc catctccaac ttgaccaatc agcactcccc     180
acttcccaag cccctacccg ccaaattatc ttaaaaactc tgatccccaa atgttcgggg     240
agacaaagtt gagtaataat aaaattccag tctcctgcta aaaaaaaa                  288


<210> 1233
<211> 425
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G


<400> 1233
gggaagctat taagtacctc acagaagctc ttcagtctat canngnnttn gagcttgact      60
atgtnctgna aactntaact aangcccatg ctaagaatcc ttgtgntntc tagggngaag     120
nctaatttgg tatctgntcg nactttgatc acttcntcct anaaggnggg caaccancaa     180
agaaggaaaa atncaaattt atttccagtc ctgagactan tactggcctc catgagaaga     240
gacccangat gtctgcccaa cacagaacag acctagcctg ncaaacagtg ggagngaang     300
aatgaaagca cttcttcang ggacctccta aggaccacct cacctgccca gaactctact     360
ggactgcccc atgtgtcagg gagctcgaaa acacctgagt ctggaatgac ttgtgaagaa     420
tgaca                                                                 425


<210> 1234
<211> 472
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G


<400> 1234
ctgagagttg tcaaggggag tgtccattgg caagcacctg cctcctgagt gtctcccagg      60
ccatcaccat cagccccagg agctcaggtg ggcagagctt aaagggaacg cccccaagca     120
cgctggctcc tgtgtgttcc tcagctggct cctccctggt caatatcatt gttctcatgc     180
acgtgaccgg caagtggagc aacaaaaata ccacgaagac aaaagatctg ggatactgnt     240
ctgctgctga tcacgagggc accagagagt cgctgacgcg gcactgctgt ccttcctgat     300
gtgatctgcc tggggctcat gctctggggc agcaactcca tcggttgcat tctgcacaag     360
cacaagcggg gggtccaaca catttataag gaccaagcgn ggtcccccac attccttncc     420
ntgngtccgg gngctaccaa aaaccattct tcctgggaga aagattcagt ta             472


<210> 1235
<211> 143
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(143)
```

328

<223> n = A,T,C or G

<400> 1235
atccaaggct tgcatcgtcc tgcanaggt gacggatata ttcagacgtt acgacacnga   60
tcaaggacng gttggattta aggtgtcgna ccaacaagaa cctgtgcatn ggcntnaaaa   120
tttngaataa cccctggcct ttc   143

<210> 1236
<211> 458
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(458)
<223> n = A,T,C or G

<400> 1236
ttttgcagga tataagtcaa attccttgat tttatacatg aagaaaagag gccaagagaa   60
actggacaac ttacctaagc aaagagcgtt tctgatgact agaagggcca agcaatacca   120
cgaaagttgt aaggaagctt atttaatcac caccatggag aacaccatga aagaaagtaa   180
aacaggaaat gttggacgaa tgcataaatg aagacctgga ctaagaccct atgttttcaa   240
gagaggagac gacatgccca ggagtccttt gtgtggtatc atcagtagga atttgtgacc   300
aactcaagac gggtgacaga agcagatggt naactggggg aaccttgttt tntcttaact   360
tgagtgggaa ggcagcagca tcaccatggc agagaaaaca ggaaaagcag ctgagaaaga   420
cgaggtggag ttcagganga cgtgccttgt taaccaga   458

<210> 1237
<211> 447
<212> DNA
<213> homo sapiens

<400> 1237
gattatgtga atgtaaggct agaagctatt agagctgagt atcagaagat gcctgcattt   60
catcatgaag aagaaaaaca taatttggag atgctgaaaa agaaggggaa agaaattttt   120
catcgacttc atttaagtaa agccaaaatg gctcacagga gggagatttt aagaggaacg   180
tatgcggagc tgatgaaaat gtgccataaa ccagatgtgg agctacttca ggcttttgga   240
gacatattac acaggagtga gtccgtgctg ctgcacatgc cccagcctct gaatctagag   300
ctcagggcag ggcccatcac tggactgagg gacaggctca accaattccg agtagatatt   360
actctgcctc ataatgaagc caacagtcat atcttccgac gtggagattt gagaagcatt   420
tgtattggat gtgaccgtca aaatgcg   447

<210> 1238
<211> 439
<212> DNA
<213> homo sapiens

<400> 1238
tgaactcctc agactagagt ctgggtagga agaatcaaga tggcgtgttt gtggtcaagg   60
atctcaggcc acactcccca cactgtgccc tgacactcag catccaggga aggacccagc   120
tgggcctcca ggttctgagt gacagcagta atctcttggg gaaacaggac agaaagcatc   180
ccaaggctgc acaaaaaagc atggtgcggg catctgctcg gcttctggtg aggcctgtga   240
gtgtctccta acgaggaagc ttccaatcat ggcagaaggc caacaaggag caggtacatc   300
atgtggcaag agcaggagca agggagagaa ggaggaggac ccagattcct tcaaacaacc   360
agctctagca tgaactaaca gagcatgaac tcactcatta ccttgcggag ggcaccaagc   420
cattcacgag ggatctgcc   439

<210> 1239
<211> 450
<212> DNA
<213> homo sapiens

<220>

329

<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

<400> 1239
tacgagacgg ggtttcaccg tgttagccag gatggtctca atctcctgac cttgtgatcc   60
acctgcctcg gcctcccaaa gtgctgggat tacaggcatg agccaccgtg cctggccaac   120
ttagaagaat ttntgtgaag attaaacaag atgctatatc tgacatgctc agcacagccc   180
ctggaatagt ataaataccc aacagttgat agctactttg ttatttgaca tggtttggct   240
ctgtgtcccc acctaaatct catgtcaaat tgtaatcccc acgtgttgca ggacgtggtg   300
ggaggtgatt ggatcatggg ggcagacttc ccccttgctg ttctcgctgt tcttgtgagc   360
tctcatgaga tctggtggtt aaaaatgtgc agcgctccct gctttgctct ctctctcctg   420
ctggcatgtg aaggtgtgct tgcttccctt   450

<210> 1240
<211> 454
<212> DNA
<213> homo sapiens

<400> 1240
tatggatcaa gagtgtccat aaaaaagaac taaaactgga gtggaagctg gtagctggca   60
aaagatcttc caatgaaggt gggagaattt tcaaggcact tacctggcta cagaggatga   120
ctttggcatt tatatccaaa cagggcatta gctgcctccc cgcgggacaa ggctcgggac   180
ctgcagcccg ccatgcctga gcttccgcac cgccttgggc tcctgcgcag cccgagcctc   240
cctgacgagc gccgcccct gccccacggc gtccaatacc atcgaccacc caagggctga   300
ggagtggcgg cgcactgcgc gggactggca ggcagctcca cctgcgcctg gtgcgggatc   360
cactgggtga agccagctgg gctcctgagt ctggtgggga cttggagaac cttttttgtct   420
agctaaggga ttataaatac accaatcggc atgt   454

<210> 1241
<211> 448
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(448)
<223> n = A,T,C or G

<400> 1241
tctggggagc tcccgcatta agtcagactg agggacggtg gtgtctgctg ttccgggatt   60
gagagagatg aagcacttac tcacctcagt gactggtgtg cgcagccact ccctagccgg   120
cttcttccat ggcaggacct gcaaatgctg gacccacaga aggctctgag aagtaaataa   180
cagatggagt tttacttttg ctgcccaggc tggagtacga tggngcgatc tcggctcact   240
gcaacctccg cctcctggat tcaagcgatt ctcctgcctc agcctcccga gtagttgggg   300
cctggctaat atatatatat attttntagn aganacgggg tttctncatg gtggncaggg   360
nggtctnana ctntgacctn nggnganaca cccgnctngg tctcncanag tgctgngatn   420
acaggcatga gccaccacag gcggccca   448

<210> 1242
<211> 180
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(180)
<223> n = A,T,C or G

<400> 1242
ggccatacac gggaaagaca caaanttcaa ncgggngtcc atttcttttcn aagctcaant   60
tttttaatng natggtttgg gggggtaang anggagacta ttggatttga ggatnttctt   120
aatgatccat cacaaaacga agtcntggga gaaccccctt gatggggga aataaacttg   180

<210> 1243
<211> 211
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(211)
<223> n = A,T,C or G

<400> 1243
atatgtacct tcaatcaaat tacangaatt aactagggga aaatgaggaa gaactttagg   60
tacagacagc gagagatctt caaaatacta ttaaaagaag aaagcactct cggtgtaaaa   120
aagaagccga ggcgagcaga tcacttgact tcaggagttc aagaccagcc cagccaaaat   180
ggtgaaatcc acctcactaa aaatacaaaa a   211

<210> 1244
<211> 336
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(336)
<223> n = A,T,C or G

<400> 1244
cactcaccgg agggtctgca gcttcattcn tgangccagc gagaccatga acccaccggg   60
gagaagagaa cagtgctgtc tttatgagct gtaacactgt aacactcact gcaaaggtcg   120
aaggtctgcg gcttcactcc tgaagtcagc gagaacatga acccaccaga aggaagaaac   180
tccggataca cctgaacatc agaaagaata aactccggac acaccatctt taaaaactgt   240
aacactcacc gcgagggtcc gtggcttcat tcttgaagtc aacgagacca agaacccacc   300
cggaaggaac aaanttcnga cacaataagg aaattt   336

<210> 1245
<211> 428
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(428)
<223> n = A,T,C or G

<400> 1245
actccctcag cactggacag ntgaaaccac gaaggacttg ggaccctttc tagtactttt   60
ctcaggagat gaattaagct ctatagccac aaagtttcct gagatccttc tgcaagcagc   120
ttccaagatg gccaggaccc tgccccctaa ataattcctc tgggctgtct ttcagtctgt   180
tcggaacagc agtgataaga tccccagctc tgaccctatg cctggttgcc atggagtcgt   240
ggccccctct tctgatgaca tcttcaagtt ggccgaagcc aacgcctgct gggccctgga   300
ggacctgcgg tgcatggagg aagacacatt catcaggacc gtggaactgc tgggagctgt   360
ccagggtttc aanccggccn aacttgatga cctggaagga gaaagcattg caacctggcc   420
atgggcgc   428

<210> 1246
<211> 407
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A,T,C or G

```
<400> 1246
gaaccacaaa gaagtgctgt cttgaggtca taggaagaga aggcaagaaa gaaggctttg      60
aaactgaagg caggcttccc tcctctgcgg cccccagggt ccagcgaggc ccatggtgcc     120
tcttctgaat tcagagcctg cattcagaag taggaggaaa ccaaatggtt ggagaggaga     180
gcatgaggcc ctgaccgggg gcagagacag gcccagtgca tggtggtgtc cttccatgaa     240
ataccttggc tggtgggggtc caggttcccc ggcctcctgt tgggctgtgg ccactgtctt     300
cccagatgga tcaccgagcg cctaagtgga acttcagctt tatccaaact nctnctgntt     360
gatggttcaa taaccggatt gacttgtggg tttaaaatgg aaagcag                   407


<210> 1247
<211> 385
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(385)
<223> n = A,T,C or G

<400> 1247
gctctgggga gctcctgcnt tagctcctgc ntnaggttac ttctacaacc ataacagtaa      60
taataataat agtaagaaga ggactgagtg cagtggctgg ctcacgcttg taatcccagc     120
accttgggag gccaaggccg gcggattgct tgagtccagg agttcgagac cagcctggac     180
aacatggcga aaccctgtct ctacaaaata caaaaattat tacaaaatta gccaggagtg     240
gtggcaggca cctgtaatcc cagctactca agagtctgag gcaggagatc acttgaaccc     300
aggaggcaga ggttgcagtg agccaagatc atgccattgc actccagcct gggcaaaaag     360
agtgaaactg tcttaaataa aataa                                          385


<210> 1248
<211> 131
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(131)
<223> n = A,T,C or G

<400> 1248
gctcaatcta accttnaatg gccccgaaag acatcttgat tgaaacctca tgagggactn      60
tgagccanaa aacccagcna cttataaccc atatacctga ccatcagcca ctgngtggaa     120
taataaatgt t                                                        131


<210> 1249
<211> 580
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(580)
<223> n = A,T,C or G

<400> 1249
gtatggcgga cgtgcgggtc atgaatgcca tgtttatcag cctgctcatc caggaagtca      60
aacatgtact tgatggccag gggcagggca nagccacggt gtgccgtgct gaagatggtc     120
tcaaagaggt catccacaaa cttctgcagt gtgccctgga gaggcaggat acgtccagac     180
acagctcgac tcacgtagtt ctgaggatgg cttttaaaac ctgcctcaca gacctaggca     240
ggggaggatg gtatacagcc caccctactt gggtaaaatt gggtcaggag tgatcattgg     300
tgtccgtgag cggaggctgt cggggctgcc cgtgtaccgg atcatgtttt ctgccaaggc     360
aaggatcacc ccccgacata tgtgaggcca cacagcctta cccatcactt accatgcatt     420
ccttgctccg gcagaaacca acgactgnct gatcattcct gccattggtc gggctgcacc     480
cttggcttgg gttggtgcat tncctgaact gggatgcttt cttaccactt caagaaacta     540
```

```
tctgtggctn attctaccac ttaaaactcc cctttttctg                              580
```

<210> 1250
<211> 288
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(288)
<223> n = A,T,C or G

<400> 1250
```
tccttttggg gccggccatt aaattttaaa nattctttag tttaaggact gnttcctgac         60
tttcctgaaa atctctacnt tttatttaaa aaaccagttg ttgttcgaaa gccttcttgn        120
gaaggaacag aaaaggataa gggatgctaa attccggctg gattcttaaa aaaaagccgg        180
attcanccgg ttgggttcga tnttataaaa accaagccag gccttccttn ccaattngga        240
aanatgaatt attttnnagc cctttggccc tgggcccaat aaatttgg                     288
```

<210> 1251
<211> 430
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(430)
<223> n = A,T,C or G

<400> 1251
```
gcttcagcgt tgagaagaac agtcttggca cttgcataca tactcttcct gttctaccct         60
cgctcacacc ggtataagcc tccatctcaa ccgttggctt ttccctacaa gatcttccac        120
aacgtgtgtc cgtcttccag tcaggcctgg atgcagccgc tgctgcttgg agcagagatg        180
aagaaagtgt tctgcttaag tggcttactg cacgatgagg accagaataa agggatata         240
tccttctttc ttctttactc cttattgctg cctgggacat ggacatcatg agtgggnttc        300
tagcagtcat cttggaccat ggagtgacct tgagaaagga agttaccgga tcgaagatga        360
ccgacngaan aataaaagct tnttttttcaa tgacncattg gaattactnt nttcgggttg       420
gacttgcata                                                               430
```

<210> 1252
<211> 465
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

<400> 1252
```
gtggggtctt tcagtccgca ccatgttcaa acaagaagag aggagaggag agaaccgaac         60
tgacttccca gccgagggtg tttcactgga caaggacccg aaaactatcc cgccacagtt        120
tatattggtc tctttcccgc gcgctccaag gtctctcccg agccaccgct cccattggtt        180
ccgcgccgtt ccccctgaac caattgccaa tgcccagtgg tgacagcggc gaggcttctt        240
gcagcgcgaa tccgtccatc aacacgcaaa ggcctaggat tcgtaggcgc cccaggtggg        300
cggtaccagg actcttcagg ggtaccccga ctaaggggng gctaagtttc tgaactacag        360
aaatgagcct gcttagaaaa gaaaacctag caaagacagc gaattacaaa cgatcttcaa        420
aagttactat agctttaagt ccataatgat tgactcctgg aggtg                        465
```

<210> 1253
<211> 283
<212> DNA
<213> homo sapiens

<400> 1253
```
gtttctgagg ctgaggtggg aggatggctc gagcccggga agcagagatt gcagtgagcc       60
aagattgtgc cactgtactc cagcctgggc aacagatcca gaccttgtct ccaaaaattt      120
ttttttcagg tttctaaaga agcaaagctc agacttccct aaaattcttt atcttagcac      180
cctcctctgc taataggaag tgtgagcatc tcattctatt agaaactaca tgtgtttcag      240
ccaaacaccc agtgcagacc tatgcttata gcagaaaaaa aca                        283
```

<210> 1254
<211> 509
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(509)
<223> n = A,T,C or G

<400> 1254
```
gacttgtccc ctgatgagca catgggacaa tcatccaagt agaatgaaac cagctgggag       60
aagccaccac acatcccctt canaaacagc anctctccca cgcctgactg acttcctggt      120
gcctggaact cctctgagtg gagcaactct attgactgag attatctcca taaagtccag      180
gtgaaggtga aaataacaat ctcaccattt actgattgtc aatttcctgt ccaataagaa      240
aagaataaga cttcagggag gcagggcagg caacaggcac gtctgagtcc atttctcagc      300
tgaaatctan aanaaantga ggacctcaat cccccaaccn tggagcaatg cantcctgcc      360
ggtntgcttg taggggtgct nanaaccaaa cccttcccca cctgagcctt aanatgagtc      420
ctcatccctg gccagtacct gagngnggac ttgtgagnga gccaagccag ccntgccaca      480
caaagattcc tgacccacaa aaactggga                                       509
```

<210> 1255
<211> 460
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G

<400> 1255
```
gctcatgctg ttgttcaggc tggagtgcag caggcgtgat cttgactcac tgcaaccact       60
ggcttctggg ttcaagcgac aatcctacct cagcttctca agtacttggg attataggtg      120
catgtcacca cacctggcta atttttgcat ttttaagaag gaatggggtt tcaccatatt      180
gggcaggctg gtctcaaact cctgacctta agtgaatcat tcnacctcgg cctccaaaaa      240
tgctgggatt acagagatga gccactatgt ccagctgata aaactcttaa cagaagcttc      300
actttattca aagccctctc tcaggcatgc ccttgagcaa acacacacgt aacacataca      360
cacgctcatc attcagtcca tttnttaagt aagcaaggta tctgaatatc tgagtacatc      420
tgagggccag atactgaaga aatccaataa aagtcaaatg                           460
```

<210> 1256
<211> 181
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(181)
<223> n = A,T,C or G

<400> 1256
```
cacgatgtgg aaaaatgaga gaagggacac attcaaccct ggagagttca atggctgctg       60
aagctggctg gttttttnctt nttgcaaggc ctttntgtgt gtgatgngca tgcnaacact      120
ttgttcgtgg gtcatccggn aatactaang agatngtttn attgccccca aggcacttca      180
c                                                                      181
```

334

<210> 1257
<211> 605
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(605)
<223> n = A,T,C or G

<400> 1257
```
gttcttcaac ttccacaaca gtggcattct gccagagctc aatcctgggc cccttctcac      60
tccctcgact agctcatcac acgcatggct tccaactcca cggccgtcca cacgctgagg     120
gcccccgcgt ctccatttcc agttctcgcc tctccctcga gctccagatg cgcatgtcca     180
gctgcctcct ggacatcttc ctttgaatgt agcaaggcgg gtccattcct gcgttcactc     240
cctccctgat cagcaccaca gtcgatccag cagaatgcga gaaccatgag agcagcgacg     300
gngatggttt ggcttagtgt ctaactcaca gcctggttac agaaggcccg ggacaaatat     360
tgaaggatgg atggatggga tgacagacag atggacatat caaaaggaaa tgagactttt     420
gcccatacta gatttaagta acacagagcc ccagagccac caccttcctt taccaaattc     480
taaaccaggg ctattcatgt caacccctgc tgcggnggct cacacctgta atcccancac     540
tttgggaagg caaggcaggc ggatcacgaa ggcaggagtt cganaacaag cctgggccaa     600
catgg                                                                605
```

<210> 1258
<211> 515
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(515)
<223> n = A,T,C or G

<400> 1258
```
tattcttcct tggatgaaag gactaggaga aagccctgca accccacgag tccgcccgtt      60
tgttgaaatc agttcaagat catccaggtc tgcaaaactc ggctgaagca gcttgttgca     120
taatttacca nagaaaagag ggccatctgg agagccaatc tggagaactc gagcaaaggc     180
agagtctttt tttttcccct cttaagttat cctgattgac tccctgccta tattgggcct     240
ccgcagtgct tggcccgcat cctgaaagat ggcagtccag gtcaaaggcc ttggcctcct     300
ggctttgaac cctggcaaag cactgcctgg cccacaactg ctagtagccc cacctaccat     360
agctgtgcaa ggttctcaga cacctcccac ctgtcttacc ccatgacacc gtgggggcct     420
gtgtcattcc caaggacagc tggtttacgc atatgcagag gangcaagct acccacaaag     480
ggatgcggga aagctctacc caatttaaaa aaaat                                515
```

<210> 1259
<211> 425
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G

<400> 1259
```
aacatgcagt acaaacctta actttctaac agaaggaaaa tgacttttgt ctaattcaaa      60
ggttataaag ggcatcaagc tccagatgat cctcagngag gaatacatcc tctcaacatt     120
caagagttat ccttctacac tggaccctta cactgcccat tagtgggaca tgacagaggt     180
taaatcctgc ccctttctct gttggacttg ctggaaact gctttcatga acccacagag     240
tcacctgccc taacagctag caggaggcca agattcacag aacaacaacc accggccctc     300
tgtgagcagg gagcagttta caaaaaactg ggggtttgnc cattttttccc ccaaaatttg     360
ggggtactgg actcttggac ggggggaatg ttacaagtag gtaagtcagg cagacatgag     420
caggg                                                                425
```

<210> 1260
<211> 136
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(136)
<223> n = A,T,C or G

<400> 1260
gatttctttc tccaggaaga aaaatggcat cccgttgcag ttggatccca caacccgagt   60
ggtgggngac tccgggtggg ncaacctngc ccccntttga gctacacngt ntgacttcat   120
gcccccccagc ccatct   136

<210> 1261
<211> 532
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(532)
<223> n = A,T,C or G

<400> 1261
ttttacagct cccagcacag taggaaagag aanttggagc ccaancnaaa aggaacctgc   60
ccggaaggac ggatggtcag ggaaaattcc caaccttgac ttggnccaga accgtttctg   120
gtgccagaac cccttcttca gaaggaangg aaaaangccn agaaattaaa aagaatgaag   180
aagggacttt tttccagcag aaacatcttc gaaaaaacag ccctgccnca cttctttgaa   240
agttcctggc ccatggtaac ccaaagaacc ctggagggcc agcaaacccg ctggtgcttg   300
tccgcttgtg aagcaaagaa cccggcttgg ccacatttg ggaaancccg cacttgtant   360
ttnaactta aatccaaatg gtnggtattg gggaaggggg tttggaaaac ccaagtttgt   420
cttcctgggg ggggaanaa aaacaaggnt tttnatttt tgnggcttg ggggntttt   480
tnccccctttt tttaatcnta acctggcctg gttggacatt tggacccttc at   532

<210> 1262
<211> 368
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(368)
<223> n = A,T,C or G

<400> 1262
aaaacatatt tccaacattt ctggggcana agaaggatna tgaaaaggtc tttttggaca   60
cttnaatnga ttggttgcca agaaatggtg gctgctgatc tggggcctga ataaaggntt   120
atcgaatggg tgggnggaat gaaggctcan atgggtggga cagtctggct atcacgtcca   180
tctgcatgnn cncgggaggt cagnaaaatg catcgccctn ctggttaaac accgttttgg   240
ggataaatttn ctcttcttta ggcaatgatt aagntacgcc nttntccagt atggtnagga   300
acacacttaa ttttggcctg ggnnttgggg agnattnaag naattntttt taaaaccgct   360
tactttat   368

<210> 1263
<211> 362
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(362)

<223> n = A,T,C or G

<400> 1263

```
aaagtgtggc taagaagtat gatgngatga atgatnttga tgagccttgg tatccatcgg      60
ggtttggaaa gatttgctgc tctggnaana tnccccggt ttatggcanc cncctnactn      120
ntatgcctgg ncgntncctg accattangn tcnantnaca tnatnttgtg aaatcccctn      180
ctnatgaaaa actaaaagag cnagttgtgg ggccnncctt ngnttacnca ggggaataac      240
tnccaccaca tcccataatt aactacantt ctttgggccg gttcnaaacc cgcaggttgn      300
anttgaaanc aancccagac cttttttcca aggccaataa cccngaaaag aactttaggg      360
gg                                                                    362
```

<210> 1264
<211> 563
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(563)
<223> n = A,T,C or G

<400> 1264

```
gtgtcagctg tgaatgcatg tttaaaagga aattttcgag gtccgcagaa tantaaagtg      60
gtttaaattt ggcttaacga atancgaatc ttttggtgcc ntctttggtt atggaaaagg      120
tgggtggcaa ccaaccaacc aagggcanta ccaactggac ccgccccaat gccagtggca      180
ntaattaacc aaggggggtaa gaattttggg atttaatacc tatgggtggg gggaaagctt      240
ttcttcttgt aagaagcaag cccacaggtc ttttactttg tcccttattg ggggaaaaat      300
gggctatacc ggaagaccat ctcttcaaag aacatgttac ttctgaacat gccagaaaca      360
tcaacagaaa gtgatttgtc ccaatatgtg cagccggtac ctgggangcc aatccccaat      420
cattntcacn ggattgactt tgcaagctta atctttacac tttggaaaca ccagaacccc      480
ctaanagatt taaaatgaaa tccgaggngg gggttccgac atgtaccgta anaaatggtt      540
tcaccctggc ccggggggatt tag                                            563
```

<210> 1265
<211> 456
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(456)
<223> n = A,T,C or G

<400> 1265

```
tcctgaggaa gattgacatt tgccacacct gcataaagaa cccacttggt gaaaacccaa      60
gttttcttgg agtctgctgc tgtgagacac gaggaaaaaa cagtacatgt gtacacggta      120
gatctggaag ggaaagcaga aagtatccaa cacttcttgc atgaagaaaa caaaatgtgg      180
atccttctta ctccacgttg aatgaaagca gaagtttgat tatacagttg tttcctcagt      240
atccacaacg gatttgttcc aggagtctga atatctgtgg gctccctatc ccacgaatac      300
tctattttca atctgcaatg ggttgaatcc atgtatacgg aatccacaga tagggaaggc      360
tgattatnta ttgattaaaa aatcggaggg gttgngacta ctctgtaagg gcattttgga      420
atcctgcaca aaatttaatt tacatgtgga gactcg                               456
```

<210> 1266
<211> 494
<212> DNA
<213> homo sapiens

<400> 1266

```
gtggaatatc acccttacct caaccaaagc aaactcctgg agtactgtaa gtccaaggac      60
attgtcatga ctgcatattc tgccttgggg tctgactcag acaaagactg ggtgaaaaaa      120
ggaaacccag ttctccagga ggatccaata ctcaatgcca ttgctgaaaa gcccaggcga      180
actccagccc aggttgcctt gtgctaccag ctgcagcgcg gggtggtggt cctggtgaag      240
```

```
agcttcaatg  agaagagaat  caaagaaaac  ttccaggttt  ttgacttcta  gctgacacca     300
gaggacatga  aaaccacaga  tggcttgaac  aagaatatat  gccatttgta  aatgtctatc     360
ttttctcatc  acccagatta  tccatttctt  gatgaatata  aagaaaagag  tctgtggttg     420
ttccagagtt  tattgatttg  ggttgagatg  aatagagaat  atctcatgga  tgggaaggtt     480
tctagtttat  tcca                                                          494


<210> 1267
<211> 245
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(245)
<223> n = A,T,C or G


<400> 1267
ccgggcggat  ctgggagcat  aacccgccta  ncaacgagcg  gctgggcctg  cctttgccag      60
acgacnaaac  cggttaacnc  cnncgtggan  ntagaccttn  accaaaccca  attgaatcnt     120
gcngnaaana  gagangtaag  gcngcctggc  ctgacngcaa  nacanctgct  ttctgnctga     180
aatatgcanc  gcggncccng  cngagngatn  actggtttct  aaagataggt  gaccctggat     240
ttcta                                                                     245


<210> 1268
<211> 194
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(194)
<223> n = A,T,C or G


<400> 1268
ctaatcctca  ccctanctta  tcctgcncaa  atcatttcca  tctttttttg  gaaagaacct      60
gggcggatgt  cagaccagat  aacagcacag  aatggaccag  agagagnctt  gctctgtnac     120
ccaggctgaa  gngcacccag  gntgaagttg  gaggctatgg  cgagctgtac  cactncacca     180
ctatgggagg  ccca                                                          194


<210> 1269
<211> 482
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(482)
<223> n = A,T,C or G


<400> 1269
gatggaaagt  ttccttttga  gaggagaaaa  aaatggtgaa  aagaaaattc  tagcaaataa      60
aaaatgattt  gcaaggcttc  tcctgtactt  gctaaatggg  aaactgaggc  ccanaaaagg     120
aaaagtattg  tgcaagacca  cacagccagt  ggatggtaga  ggggtgcttc  aaaccagcgg     180
tgtttgcctc  caagatctgc  gtgattcccc  aaactccagt  caggtctccc  tggtccccgc     240
tgctccctgc  agaggtctca  tcaaacgcct  ggtctgcctg  caccatgcag  cctgnaagat     300
ggagtctngt  tccgtcgccc  agactggagt  gcagnnggca  tgatcttngg  cttanttgga     360
acnttttgcn  ttccaaggaa  taaaatggat  ttttcnttnc  ntcaccctcc  ntgaanaggt     420
tgggggttt   acagggtgc   ccccccacca  aagccccggg  nttaatttt   ttgtattttt     480
ta                                                                        482


<210> 1270
<211> 378
<212> DNA
```

338

<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G

<400> 1270
gctaaactga gtgactcgca ggcccacatg gtgagaaatt gaaggttctt gcaaagtcac   60
atgaatgagc tcggaaaagg aatcttcagc ctagtcaagc ctcagagact gcagccccgg   120
tcaacagctt gacttgagag tttccaagtc agaaccaccc agctaagttg ctcttggatt   180
ctttacccac aaaaactgtg aacgttaaat gtgtgttgtt ttaagcagca aagtttgaat   240
tcattaaata atgcaggcat ctttggtgtt acttggcaga aagaggcaac tcccatattg   300
ttactcatat attacaagtg cacttcttca tcaatggtcc cttatttcct tnccccagc   360
ctcctgaatt aaaacgtg   378

<210> 1271
<211> 510
<212> DNA
<213> homo sapiens

<400> 1271
gagcatcagt cacgaaccta agatgggaag gagaaagagt tttatccctg acacagaaca   60
cctgaagaag catttgcctt tcgaatcgac aggaagtcac ttcttcctct tgaatgccag   120
gaaggacagg tgaaattacg gatcctaagg gttttcagaa cttggtgatg agactataaa   180
acagccttct caagatgtat tccatttat cattgacata aaaagtaaaa tcatcatctg   240
agagtgggcg ggatggtatg ggggtggctt tcttgttgtt gtcaggttta ttattattta   300
catctgttaa aattcacccc ttttcatgca gagtttcata aggtttgaca cacacacaaa   360
cacacacaca cacacacaca cacacagttt ttgctacaat cagtatatcg aacagtgtca   420
tcacccccct gccccaattc ccttgcgccc ctttgtagtc aactcctctt ctctccccag   480
acccaggcag tttggataag aaagccacac   510

<210> 1272
<211> 514
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(514)
<223> n = A,T,C or G

<400> 1272
ttctgttttt gccttgggat tttgaagatc cattttcagg ctgctctccc anactcccca   60
nagccctta natcccagtg gaccacagtg ccatcttatg gccaagcaac tgaggaaaag   120
gacttctgag gccacagctg gaggaggagc ctggaagaga ggctgcatct gctcacatca   180
ccgtgatgtg cattnccttg tccagctgag actgccctgg gagagaaact caacncaggg   240
cagagtttnc cttgcacagg gctgctcaaa aatntganag tcccancctg ggcagtgttg   300
gggaaactcc tatgggacaa tgtcttccac tggctggatc aaaatctcat gaagacaatg   360
ccaactatat ctaccactga ctttgtgtgc aaaggaangt ggctgtgggg tgaaagcttg   420
tgcaagaagg cacaaaggtc tgggagaagc tgctgacacc aaagncacat nttttgnttt   480
taaaaaaat cacacaccct taaggatctt gata   514

<210> 1273
<211> 401
<212> DNA
<213> homo sapiens

<400> 1273
tgtgatttca ttatgaagtc agatggaatg aggagtgtgt aaatccagaa tcagaatccc   60
agcgacgaag cttttcttgc tctgttacct tggatgaaga aacaggctgc aaggccagag   120
ctataatgtt aaaaaggtga agactcagga tccaaactca gagatggatc tcaaaaaaga   180
aatcaaaact ggctcagatt tcccaaggat ttccatatct atatactaga agataattca   240

339

```
gacttatgca tctgagaagg gaacatatta actgttactg ctcttgatgg cagcaaaccc      300
tgagccagga ggcagcaatg tattggaaag atcaacatct gcccaagata aaagcgaagt      360
tgtggcaagc actaagtgta aactcacagt aaaaagaaaa a                          401


<210> 1274
<211> 221
<212> DNA
<213> homo sapiens


<400> 1274
aaaaagtttg ctgaccctgg tttacaagta ttcctcaggt ccaacatgaa aaggggagtt       60
caggctggac aaaattgttat tttaaatctc ccaagagttt tctcttcttt gtaggaaaat      120
ttggtcttct ttcaggaaat gtactttcct aggcagatcc caaatcgcat tctggaatga      180
gaagattcac aataaaaaac taagatgcct gcaaaaaaaa a                          221


<210> 1275
<211> 246
<212> DNA
<213> homo sapiens


<400> 1275
gagctgcctt gtagagtcca agcagacacc atatggaaga gaaaggcccc aggggctaaa       60
agatcaagag gagagagagg aaggagggag cagatccagc cagcccccag ctgttcaagc      120
catctcagct gaagagccag tgtcaaccaa caccctgtga agcagagttg acctagctct      180
gtcaagtcct gtccaattgc tgaattatga gcaaataaat gagtgctgtt ttaagctaaa      240
aaaaaa                                                                 246


<210> 1276
<211> 494
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(494)
<223> n = A,T,C or G


<400> 1276
acaagaggaa agtgatgcca gagaaangat ccaagaggac ctgtctgtct ctaaaccttg       60
gacaatcatt tttctgaaat ttgttgagtt ggagtagatc tgagaaccgt tccaggtaaa      120
ggaatttgta cccaaaggag acagccagct atcagcaaga ttttcttacc tttaaaatgg      180
gaagatcttt gaaggcagaa aacacctttc tacactaatt tttcccttct caagtacaac      240
ccagacattt gactaatact actagcataa taagagccaa cctttgcaaa tagtaatttc      300
tctcaataac ataccatgtg ctttcacagt gaaaaaggaa gcatcgtgaa ttaagattct      360
agagacatca gttctagttt cagttctgcc attatcctgg gatttacttc acagcaaatc      420
accaagcttt cctaggcctc aatgcctcat tattaaacat aataaaacat gcaggcaag      480
gtgctcacgc ctgg                                                        494


<210> 1277
<211> 439
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(439)
<223> n = A,T,C or G


<400> 1277
tgacacccgg gcttctgctt acagctggag gcattggcca cctaccttcc ttccttggct       60
gggagcatca acagccaagc cccttttacac ggcagtcatc ttgatgagtt gctggggcca      120
aagcctgccc tccctccctc tgtaagcagt atggattcct tgtggccttc tgagccttct      180
ccttgctact caagagtttc caaatcaaaa gacttgcagc ctgttcctgt tttttaaaag      240
```

```
ggaagtcaaa gaatccgaag tgtgcttgga gcatagaact agcgcaagag ggcgctagtg      300
aggcggtgcg gcgcgggcgg ccaggagcta gggtttgaaa acagacttcg gtttgagccc      360
tgaatctgnc cttaaaaacc tgtgtgccct tgggaagcga taataataca tttaccaaag      420
tcagactaga taaccccat                                                    439


<210> 1278
<211> 280
<212> DNA
<213> homo sapiens


<400> 1278
gctggagtgc agtgggcacg atcatagctc actgcagcct tgacctccct ggctcaagca       60
atcctcccgc ctcagcctgc tgagcagctg ggactacaga agcgatggcg ggagctgaag      120
cagccatatt ggacccaaag atagaagtca cctactgagc aagacaagaa aacccagcaa      180
gatacaagga aaacggaaaa tggttccttg agattgtgga gctgccgtgg aagccctgga      240
ttgtttgtca tcagactatt atatgcaaga gaaacaaaaa                            280


<210> 1279
<211> 438
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(438)
<223> n = A,T,C or G


<400> 1279
gatggagtct tggctctgtc acccaagctg gaagtgcaag tggcaccatt tggctcactg       60
caacttctcc ctcccggatt caagcgattc tcctgcctca gccgccgaag tagctggaat      120
tacaagcgtc caccaacaaa cctggctaat ttttgtattt ttagtaagag atgggttttt      180
gccatgttgg ccaggctggt cttgaactcc tgacctcaaa agatccgtct gccttggcct      240
ttcaaagcgc tggggttaca gccgtgagcc accatgctcg gccttacaaa tatcatcttg      300
aattgtaatt cccctaatcc tcacacataa tggggaagga cccantgaga aggnaattgg      360
atcatnggca gcctttcccc cccatgctat tccctgaagg ngaagttcat tctcaagaaa      420
tctgatgggt ttaaaggg                                                    438


<210> 1280
<211> 448
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(448)
<223> n = A,T,C or G


<400> 1280
agtgagtgct cctagctcag tggagaagaa agatgactga gaagctgcaa acttgggccc       60
aagataatca gaataaagaa tccccatggc ccgcagcttg ccttgctcct ccactgcatt      120
ctacaaggtt taaggatgga agaacagaga tgtgtgaact aggctctgta gacgtcctcc      180
ctgggttgga gtcccagctc cacttctgac agctgtgtga tcatggacaa atcactcaac      240
atctctgaac ctaagtgtcc ttatcagttg aatggagcct gtaacggtgc atatctcata      300
ggggtatgcc aaggattaac caagaaaata taaactgtgg ccagaaatta agcactccag      360
aaatactcgc tnttattgga aacattatga aacattgtga accagggctg ttttaccttt      420
aaaanggtnc atagattttc taggagat                                         448


<210> 1281
<211> 455
<212> DNA
<213> homo sapiens


<220>
```

<400> 1281

```
tgaatcttgc tgctgttcac tctttgggtc cacactgcct ttatgagctg taacactcac    60
catgaaggtc tgcagcttca ctcctgaagc cagcgagacc acaaacccac cgggaggaat   120
gaacagctgc agacacgcgg ccttaagagc tgtaacactc accaggaagg tccgcggctt   180
cactcctaag ccagcgagac caggaacccc accagaagga aaaaactccg aacacatctg   240
aacatcagaa ggaacaaact ccggacacgc tgcctctgag aactgtgaca ctcaccgtga   300
gggtccgcgg cttcattcct gaagtcagtg agaccaagaa cccaccaatt ccggacatgt   360
ttcctcactt cctttatagc ttatttaaat gtgactttct cgaggttgtc tttgaccatc   420
cttngtgaaa cagcactcct atcaatgtca cctaa                               455
```

<210> 1282
<211> 453
<212> DNA
<213> homo sapiens

<220>

<400> 1282

```
gagcaaatga gtgatgccaa caggaaatga cgtggaaaga gatgacttct ttggagcagc    60
catgatggag ttagaaagga gttggaggat gagcagggcc tgggagtccc tcatcgctca   120
gactgtactg atacatgagt ctctcagaaa gacaacattt tctcctccta aaggaagcag   180
ggctggagta cagtggcacc gatcacagct cactgcaccc tcaacttccc aggctcangt   240
gattctcctg cattagcctc ccgagtagct gggactacag gngtggacac attgagaagt   300
cactatctat gaactaggaa gcaggatctt accanacatn gaaactgctg atgcccttat   360
tttggacntt ttttttnnnc ctccaaaact gnganaaata aaggcctgtt gtttntaagc   420
caaaaaaaaa aggcnggcga ggcccattca ctt                                453
```

<210> 1283
<211> 314
<212> DNA
<213> homo sapiens

<220>

<400> 1283

```
tcccaccttt tgagcaagtt nagcctggtt aagtccaagc tgaattggcc aantcntttg    60
gctttntacc cagnnaaaaa tactantaag nccnccncgg tatntttnnc ccccntctnt   120
ccacagagna aaattgnaac tcttggaact tcaaggtgga ttcccgcctt gccctttggc   180
actaanaaaa agttgnntgg ggaanttccn agggtngtng anacccactt ggtggtattt   240
tggctttttg ggnttaaaca acttttttt taangggga aattaaccaa ccaaantccc      300
cccaaaaatt attt                                                     314
```

<210> 1284
<211> 425
<212> DNA
<213> homo sapiens

<220>

<400> 1284

```
gctgaggatt  acaggtngca  agccnccatg  cncannctgn  tgatacactg  ttactttaaa      60
atgctgattg  ttgattatga  ncacaanccc  antgcntant  natttgactn  acnaanctng     120
agtgacacct  gctctgtgcc  agacactgaa  gatggagcag  tgaacngnac  tganccaanc     180
ngacctnctt  ttgnctgcng  gncaaaaana  angtctngnt  gagttaccct  ggctggagtg     240
caatggctac  ttacaggcat  gatcatagcc  tactgaaagc  tanaactcct  ggactagagc     300
aaatntccng  cctcaagcct  ncanagnaac  tgggactgca  gacacgcacc  acatagccca     360
ngctgagnna  ttttgattct  gtactggctt  tctctngggg  gggcaggctt  aaaacccttc     420
acccc                                                                      425


<210> 1285
<211> 587
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(587)
<223> n = A,T,C or G

<400> 1285
gattatgggt  cagtctgaga  ccaggatcan  agttcgttgt  gaggctatca  aanattacag      60
ttgcacaaat  tctaccttgc  ctagggcttt  tctccgtctg  cctgacctca  aagattgcca     120
tgtgtctcca  cctcttccgg  tatgacttat  agagggcccc  cagaagagca  tatgacttca     180
tatccaaagg  aggaagaatg  ttcataaaca  agaacttgat  ttgctggaaa  actgccctca     240
ttgaccctat  cctatagcca  tggcacattc  catttgccgt  acgtaacatc  caactcaaga     300
ggaggctgcc  caagaactca  cttggtctga  aagccaaaat  gactctctaa  gaacattcct     360
ggcagtctcg  ccagctgcgg  gtccttcggg  ggctccgcaa  ctttcctttc  gtcagcgcag     420
cttcttgcca  ccctcatctt  cagcatgcct  ggncccgacc  cccagtggca  ctaatgnggg     480
atcctcagga  cactnttcca  acaaagccgn  gggccgnccc  ggcagcaaga  tcactggccg     540
gcanaggaaa  aatggcaact  tgggggacaa  ggaacgcaag  cccggac                    587


<210> 1286
<211> 529
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(529)
<223> n = A,T,C or G

<400> 1286
atgctgcaca  cctgggtccg  cagagaacac  tttgagctga  tggagtgaat  atttccagga      60
cagaggagaa  gctatcttct  ctagactgga  taaacaaggt  tctggaaggt  ggngagccan     120
caggcaggcc  tgggactggg  aagccagcac  tanggctcag  ggcttctgtg  gctgcagaga     180
catgatctcc  atcccccacc  cacgggctgc  actgggactt  acttgttcat  gagatcaaag     240
ccttggtctg  acagcagggc  cctgaagtgc  ttgtaaaggt  tgttgtatgg  gtagaggccc     300
taacccctgc  cagtcaagtc  cagctggcct  ggtccctccc  tcctagccac  cctctaggtc     360
ccagcttcct  ggatgtctna  atgacaaagg  ctgcctactt  ctccccacca  gtggagcagg     420
actaaagact  gaaaaaggct  ggctacccca  atggcctcac  ttgctgctga  taaagtgccc     480
caaatgtcct  tgtgaggang  gctgagaccc  cagccagtgg  ctgtgtgat                  529


<210> 1287
<211> 425
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G

<400> 1287
```

```
gtttgatacc ctccaatgaa gaccatgttg gggcattgac cggcctagga tattcaagca      60
caaagtcata tcttancccn caaacagaga ccttctgatg taaaanggat tatatccaca     120
tgtcctcttg aggacncntt gatacccatg gtnttaatac nttgnaaaac ccactctgnn     180
natntgatcc cggcttccnn gcaaattaac aagggaagtt ggccacttcg tttggngaaa     240
aaaagtcatt gtggttcttg aaaaacttt gttgtaagca ccttgggaaa tgtanggacc     300
acangggtc tggggctttn ttgcttgaan tgtattgctc ccagggggaa cacnggaaaa     360
accccttga aanaagggnn acaccaagat tggtangggc cccaaataac ttcaagccca     420
gggat                                                                 425
```

<210> 1288
<211> 554
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(554)
<223> n = A,T,C or G

<400> 1288
```
gtgaggaact tggggctcag tgagatggag tgactttgac ctgcctgatg ttccacagcc      60
agcagggtat cattctgcca cccaggctgg agtgcagtgg tgtgatcaca gctcactgca     120
gcctcgacct cctgggctca agtaatcctc ctgccttggc cacccaaagt gctgggatta     180
caggcatgag ccaccatgcc ccaccaggat tcacttttc tgcatactct ggtggtgttt     240
attgttatct ttacatttta tttagcaaag aatgttaaaa gcgccatgtt ataagcacac     300
tcctacctc caagcagaat gtaaagggta tgtatttata tattaagt ggtcccacag     360
caatttgtac agttatagca agttcacaac tatactcagn tatgtttgct tctctccttc     420
tcaataagtc tgngangntc cttcaagggt tggaactggc ttttattaat ctttacatct     480
ccagcaccta acgcanggct tancaacaat tttggtgaag tatatacact gtaataaaag     540
gcagtggaaa agaa                                                       554
```

<210> 1289
<211> 575
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(575)
<223> n = A,T,C or G

<400> 1289
```
gaccggctct tcagggaagg acatccccac aaccaggacc cctggcaaag aggaattaaa      60
gacccagttg tgttgtgatg ttcattattc agatctcgga gcgctcacgg atctcttgga     120
tgtcccctgc cagctcaact gatgagactg ctactttatg taccactgct tgaaaaagaa     180
gggaatctcc tatttctcac acaggataac acgtcactct caggatatga cagcatcact     240
tttgaaaaac aggttgttgt cttttttttt aaaagattta actgcctgat caaatagttt     300
tacaagaata aactcaggaa acaggttgag aaatgagcag ctgagactgg agtgttcact     360
ttgcaaagaa catactacga aaagatctgc actctaggag gtctcaactg atgaggaaga     420
tgctagcaca gtgtcctatg gtcagaaaag atgacctggc aagaaggga gttggaggaa     480
aagcnngaaa ggggatncct tcatgctgaa atcaatgcca tgatgtctga tttatacaga     540
aaaaacaggc ttgnattaaa tatgtccttt ataag                               575
```

<210> 1290
<211> 196
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(196)
<223> n = A,T,C or G
```

<400> 1290

```
accttttgag caggttcagc ctggttaagt ccaagctgaa ttggccaatt ctttttgcttt      60
ttaccctnct tganttcana cttctancan ccnngactgt gaccaccaca ttttttcnaa     120
gnaaaaacgg ntccgtttca tcnnncttgg tttnttaant natattttac cctaaacaaa     180
acctaatatt agaaac                                                     196
```

<210> 1291
<211> 311
<212> DNA
<213> homo sapiens

<400> 1291

```
agatgaggtc tcactatact gcccaggctg gtctcgaact cctgggctca agcaatcctt      60
ctgcctccgc ctcccaaagt gctgagatta caggcataag ccatgacacc tggcctggaa     120
gcttctaaaa ggacttcaag acttcctttt gcagtgtgat catctctggc agggccagag     180
cttcctcctt cctgtgccag tgtttctctg ccagtgacaa ggcaagagtc atcaccatcc     240
tgaggctcag aacctcagat tgctgtgaat ggttcattgt tcaggcttca gaaggtcccc     300
cctctaccta a                                                         311
```

<210> 1292
<211> 420
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(420)
<223> n = A,T,C or G

<400> 1292

```
aatcaagaaa acaattcaat aagaatccat tttccttggt aacaggacac aattgaaaac      60
actggttatt taaccaaagc ttcatctgaa atggcatatt ttacggatat gacgagactg     120
ctttgaggaa tttaagtgga ccttataaag ttgataaaga gccccttaga aagactggcc     180
tagtacctca tctacttggt tcccttagga gcctaggaac ctcaagatat ttggggacct     240
caagaagaga gaaattcact caatttatgc acatattaca ggcatagtct aatggtgaat     300
cattggcttg gtttcccgt cttaaaangc tttttaaaaa gtccgaattt gagattcttt     360
atgaaaacat ccagcaaag tcaacttaaa aggccctata tgaccattca ttattcttgg     420
```

<210> 1293
<211> 442
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

<400> 1293

```
actgagagga tttacaaatt acactccaaa acaagatagc cacagagcat actacttctc      60
ctctgaagtc gctctgaggg cctccgcatc agtcctagaa ttggaagatt ggtggacaag     120
aactgggatg ttgatggggc actgaatatt tgctggacac caacctcctg ttacctaacc     180
ttacagaggg cccagatctc acctgcccaa atcagacatt ttaacacaca cacctntcaa     240
cagcaggact tacagacaca aaactctgag gtaaaggatt gtctcaactc cctggtgtct     300
caacgaacta aaacactgcc tagcgcaggt gcaccatcaa ccttattcac taaatacacc     360
tctgtatata ttcttcatct ttgattgggg aaatgatatt aatcaacata aaaaatgttt     420
tatagatttg gactaaaaaa aa                                             442
```

<210> 1294
<211> 146
<212> DNA
<213> homo sapiens

345

<220>
<221> misc_feature
<222> (1)...(146)
<223> n = A,T,C or G

<400> 1294
ttataaggtt gaacacattg ngcacnnatg aaaaggagaa angatataag gataacagaa   60
atttcacaca catctttggg aaactgaatt acggnngagg annaacttga ttaacaatna   120
gggagagann gctctaaccc tatgga   146

<210> 1295
<211> 444
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G

<400> 1295
tttctctcct gtcacaatgg catgatctcg gctcactgcg acctctgctt cctgggttca   60
aggattctcc tgcctcagcc tcccaagtag ctgggattac aggttacatt agttatacac   120
tctggaggtg acttgacctg tcattgtgaa caattattgc tcttggacga cccaggacat   180
aggccagcca gtacttaccc cagtgtgttg gagaatcgcg ctcggcttct tcctctgtgc   240
tgagtcatga aagttgccgg agcaggtgca gttacacaac ctccaggtat gatcctgttt   300
aaggactgga tttaggataa ctacttagag gtcaaaagtc acaagggtgt atggatgagg   360
ctggagtgat ctgggaccaa agacatctag gctttgctgn caaggctttt gatcaacatt   420
gagatgaccg cccgtgttgg taaa   444

<210> 1296
<211> 304
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(304)
<223> n = A,T,C or G

<400> 1296
ggtgtacacg gatggaacat gagagcggac cangagcgtg accgctgcac tgacgcttcc   60
gctagaccac agtctgntcg gcgacgggtg tcttcccana cgctggcatc accgctanac   120
caaggganccc tctggcggcc ctgnncgggc atgacagaag gctcacgcac ttgccttgtg   180
gtcacttgtc actcaccatg nccttcanc tcctatctct gnatggcctg gtttgtccta   240
cnttatgatt gtagagcaag gattattata atattggaat aaagagtaat tgctacaaaa   300
aaaa   304

<210> 1297
<211> 294
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

<400> 1297
ctcaacctgg aggcanctgt gtgctgttcc tgacattacc anacctgccc actgtcccct   60
ggatcccaac attgccttct gcctgggtcc tcactcttgc aacccaacga tggcctncta   120
aactagcaaa gtgctttggc tccttgtcaa taacaaaggc tntttttgaa cctcatcaag   180
tgaaactatg atnaatattt tatanatggc nctctgaaag caaaaggtcg acacangcgc   240

346

```
acttaaacac acacacnatg gggggggttaa aaagctcaca tgggctcttt gaca                294
```

<210> 1298
<211> 466
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(466)
<223> n = A,T,C or G

<400> 1298
```
ttttaaggtt ccttcaacat caggattccc gatcatctca tcaaccgact tgttaagaaa          60
actgaggccc agggaagtgg ctcacaattg tgtagaattg tgaggtgtct tgactgctgg         120
gccagaagtg taactgctct aggaaagaat ttgactttaa ctcagactaa aatgtcttca         180
taacaacagc aaaacaacga agtaggatct catagaaagg tcctcgttaa ctgcctgtat         240
gcagagcagt gggccttaag ctccactgcc tgtgctcaag tcaccttcaa ggcttgggga         300
attagattgc ggagtcccat cctcagagtt tctgagctcg actgaaggac gtacgccctc         360
tcccggaatc gtctcagcna cagagaacca ccttgcccaa ggncaccacc ctcttgccaa         420
gggggtcact tggatctaat gattggntaa tgctgggggg aggggg                        466
```

<210> 1299
<211> 487
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(487)
<223> n = A,T,C or G

<400> 1299
```
atctatgcct gtgagctctt gacccagggg ctgtatttta ttaaccactg tggtttgatg          60
cctaggataa ttctggcaca taacagttat ttaaagcgaa aagacgatac ttaccacaac         120
ttgtaacacc tgttcattgt gaagcgagga agaggaagaa gatgangaag aggaagagga         180
agaagaggag gaagaggaag aagaggagga ngaatangat gagggagagt cagccatcat         240
ttgtgccaaa gtctgcatca tcgttttttcc aaggagaaaa aatgagctaa acatggcaat         300
tacgccaaac accattccaa aattgaacct gtcaaaaggg aaaaaaatca tgttaattta         360
caatttctct caattcatgg actagcaaat tcactaagca gccacatttc atagctttaa         420
aataatggct aaaaaatttc agtaacctct gcttcttttt nctacatgaa cctcaaatat         480
ttggctg                                                                   487
```

<210> 1300
<211> 362
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(362)
<223> n = A,T,C or G

<400> 1300
```
gcgattccag gggggtagag cgaggtgtct ttcatgtacc atattcgcca ctccacgagg          60
cccgtggacn gtagaggaga ggatccatcc tatggtggta agggcgaaga ctgaaaattg         120
gcagtcggca ctgttgcaga accagaccat ggtggcagcg cacccaggaa actacaaaca         180
aatacagagc atgagacggg gtctccctat gtcttccagg ctggtcttga actcctgggc         240
tgaagcgatc ctgtcacctc ggcctcccaa agtgctggga ttccaggctc attggtggaa         300
gggacttgcc ttctctcaga tgagactctg gactgtggac tttagaatta atgctggaat         360
ga                                                                        362
```

<210> 1301

<211> 374
<212> DNA
<213> homo sapiens

<400> 1301
gtcactgaag caggagctgt caccaggtat aatcagccag cactcaccgg gacatgaagg   60
aacgcctttg cttctgtctt cctcatggtt tttagataat aactcaacca attgacaatc   120
agaaaatctt tgaatctgcc tatgacctgg aagctctccc tcctacactt ggctcccagt   180
tgtcccacct ttctggacca aaccaacata catcttacct gtattgattg atgtcttatg   240
tctccctaag atctataaaa ccaagctgta gcctgaccac cttgggcata tgacatcagg   300
acctcctgag gctgtgtcac aggcatctcc ttaacttggg caaaataaat tgttaaattg   360
attgagaaaa aaaa   374

<210> 1302
<211> 424
<212> DNA
<213> homo sapiens

<400> 1302
ggctggaaaa tctcaagctc actgcaacct ccgcctcccg gattcaagtg attctcccgc   ´60
ctcagcctcc tgagtagctg ggactacagg agtcagccac catgcccagc tttttgtatt   120
ctgtagtaga gacagggttt caccatgttg accaggctga tcttgaactc ctgacctcag   180
ggatgtaccc atcttggctt cccaaagttc tgggatcaca ggcgtgaacc accacgcctg   240
gccttcgtgt ttgagtcaca tttggttaat tctcccatta tctcaaactt ttccattatt   300
gtatctatta tagtgatctg tgatctttga tgttactatt gtaattgctt tggggtgcca   360
caaacagtgc ccatgtaaga gggcgaactc aatcaataag tgtgtgttaa ctgttaaaaa   420
aaaa   424

<210> 1303
<211> 128
<212> DNA
<213> homo sapiens

<400> 1303
gatgtggaaa acctgactag aattgctggc ctgacatttc ctgtgagaaa agctctctgc   60
ttggaatcct gtgaaaacaa tctgccttaa caattcagct·caaataaatt atcttcccga   120
aaaaaaaa   128

<210> 1304
<211> 416
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

<400> 1304
cactgataga catgaacctt ctcccacgcc cagaagagca atctggaaac ccaacattct   60
tcttacaatt gcaactttag agagcaagtc acaacacttc ctgctagaaa aagagaacac   120
cctgacaaaa gaatgataca atacttacga atccccttcc tgtcagcctg gcggtatttt   180
gcagagaatt taataaattc taatttaaat gccaaaaaaa aaagggccnn ngggggccant   240
taagttgggn nttaaccngg ntgaatttgn taaaaggggg ggaacaccca aacttgncng   300
agatccanaa gtttttttcng tcnaattaaa aaanggccaa gtttnccnng gaaaccattt   360
ttngngtttt tncnagggnt ttcttcggag attgggaact tttaccaaaa aaaaac   416

<210> 1305
<211> 184
<212> DNA
<213> homo sapiens

<220>

348

<400> 1305

```
gttttaaaat tatggntgac gatntgacca cagttttttgg gctctgcagg tgatgctaaa      60
gtacagccgg ctgagaaccg ctgccctggg ccagggccgt ccaatagaag cacagcatga     120
gccgaagatg tgcttttcat tgtctagtgg ccacattaaa aggatgcaga tgaaactcaa     180
aata                                                                  184
```

<210> 1306
<211> 117
<212> DNA
<213> homo sapiens

<220>

<400> 1306

```
attactgcaa actccaaagg ccccaanccn acacaagttg tttttnatga tnacnganaa      60
tatctttttg cacattccac agaaaaagtt tntttggccn gcctgggaag gaaccta        117
```

<210> 1307
<211> 262
<212> DNA
<213> homo sapiens

<400> 1307

```
gcattaagtc aagaactgag accctgcact cgatggatca gctgacacca cccagactgg      60
taatctggct caaccatgtt ctgccatccc acccaggaac agaaaacagc aagaaaaact     120
cacttcgacc ccctaggatt ccatctccaa tctcaccaac cagcattccc cacttccgaa     180
gcccctacct gccaaattat ctttaaaaac tctgatgccg aaatgctcag ggagactgat     240
ttgagtaata ataaaactcc gg                                              262
```

<210> 1308
<211> 422
<212> DNA
<213> homo sapiens

<220>

<400> 1308

```
cattcctggt atgaagacac tctgcacaca tgtgtgtcaa agcctctnag cccaggctaa      60
nccatcatat cccctgngac cggnacctat acatncnnat ggcctgaagc anctgaagat     120
cgcacanaag aagtgaaaat agccttaact gatgacattc caccattgtg atttgtttct     180
gtcccaacct aactgatcaa tggtacttgg ttaatctccc ccacccttaa gaaggttcct     240
tgcccatttn ncccccaccc ttgagnaatg tacttttgtg aagatcccnc ccccccttggc    300
ctnncaaaaa catttgtttc cttaacaccc acccgncctt atccccaaaa accctantaa     360
agaaacccca ttgnttaatn ccccccccccc cccttttttgc tttanccctt ttttttggga    420
ac                                                                   422
```

<210> 1309
<211> 253
<212> DNA
<213> homo sapiens

<220>

<222> (1)...(253)
<223> n = A,T,C or G

<400> 1309
gagataacag aggatcatag ctcaaagagc tgcaaggagc ccaataccct ttgagaagca   60
gtacgaagag acggggtttc accgttttan ccaaggatgg tctcgatttc ctgacctcgt   120
gacccgcccg cctcggcctc ccaaagtgct gggattacag gcatgagcca ccgcgcccgg   180
cctactgcac tgttttacgt gctacagatg tatcaagcaa tttaacccca attcctactg   240
tgcttaaaat aaa   253

<210> 1310
<211> 393
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

<400> 1310
ttttgaaaat aaccanggaa agnaatggga tatactctta ctgaatccaa actctaaagt   60
acttttgcag attttgcaga gtgaagacaa aagaagaaat ggtgaccttc tttttgcaat   120
aatggttctg atgacataaa catagactct ttggtgacat ctttgtcatt ctacaaagca   180
ttatgagagg cagaatagtt actgatacta gttcctacca cttatgaggc caccattaca   240
actgnagtag ctggancctg nccacngttg tgtanttgca gccaaggact tcattacttc   300
agtagcattg ggacaaaact ggaantttta cttttatag acataccatt aatattaaac   360
cttgcaaacc gggaagaaaa ttaaaaaggg agg   393

<210> 1311
<211> 438
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(438)
<223> n = A,T,C or G

<400> 1311
gcattaagtc aagaactgag agatggggtt tcaccatgtt ggccnggatg gtctcaatct   60
cctgatctcg tgatccgccc gcctcggcct cccaaagtgt tgggattaca ggaacaccat   120
gatcaactgg ccagtgccat ggttctctgt gagttagaga attttggttg ctgcctgact   180
ccactgttca tcatggtaat cacggccaca ttgcctttga cggtcgagtg ctgccacttg   240
gcccctgcca ccctgggatc caattattcc cattacattt agatttctca attcagtgac   300
tgcagtttcc attgtaagtt ctggcctaca gagtanagtg tcacanagct cttcaaggat   360
gctgggactc cctcacaaac ttaccttcca caagttttgg ggaaagggtn tgttttccag   420
gacttcttcc ccaccttg   438

<210> 1312
<211> 447
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 1312
gagtccaaga gataacaaga ggatcatagc tcaaagagct gcaaggagcc caataccctt   60
tgagaagcag tacgaagaga cggggtttca ccgttttagc caggatggtc tcgatttcct   120
gacctcgtga cccgcccgcc tcggcctccc aaagtgctgg gattacaggc atgagccacc   180

```
gcgcccggcc tactgcactg ttttacgtgc tacagatgta tcaagcaatt taaccccaat      240
tcctactgtg cttaaaataa ataagacgtg cctatagntt caactctgga gagataacag      300
tggggtgat gtagaaatct tgcctaaatg ctccctacca tgaatgacca catgttccag       360
catggtatgc caaggatccc tttggcaatg naactctact cctccttcat taaagaagga      420
ngggntntt tttcccccc cctggaa                                            447


<210> 1313
<211> 463
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

<400> 1313
gaagcaccct cactatgtgg ctctacctgg cggccttcgt gggcctgtac taccttctgc       60
actggtaccg ggagaggcag gtggtgagcc acctccaaga caagtatgtc tttatcacgg      120
gctgtgactc gggctttggg aacctgctgg ccagacagct ggatgcacga ggcttgagag      180
tgctggctgc gtgtctgacg gagaaggggg ccgagcagct gagggccag acgtctgaca       240
ggctggagac ggtgaccctg gatgttacca agatggagag catcgctgca gctactcagt      300
gggtgaagga gcatgtgggg gacagaggac tctggggact ggtgaacaat gcaagcattc      360
tttacaccaa ttaccttntg tgaagnggct gaacactgag gactctatga atatgctcaa      420
agtgaacctc attggtgtga tccangtgac cttgagcatg ctt                       463


<210> 1314
<211> 340
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(340)
<223> n = A,T,C or G

<400> 1314
gaatgttcca gcagggagca ctacagctgt ttcaatcttc agggagacta ctcatcttgg       60
gaataattcc ttcctttgtc ctgtcagcat aatgtgtatg gaccctgcta agcagcaccc      120
agtcatgaaa gtgctgccac cgaggaaggc cccctggaag cccaagtgac ccagaaccca      180
agatacctca tcacagtgac tggaaagaag ttaacagtga cttgttctca gaatatgaac      240
catgagtata tgtcctggta tcgacaagac ccagggctgg gcttaaggca gatctactat      300
tcaatgaatg ttgaggngac tgatagggag aatgtttctg                           340


<210> 1315
<211> 687
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(687)
<223> n = A,T,C or G

<400> 1315
ggggtcttta gctggaagct gggagctgag tgagcatgta cggngctgcg ccgggttgtg       60
ggagancaga ggaagcaggg actggagaaa ggcgagccca agcgagcctg gtgcggtgga      120
aagcaggagg cagaaagacc tgcctgtcat cagctaagaa catccagaga cgttcaccga      180
gcaaggagcc aggccaccct ctgctgccgg aatgaggaat aacccaggct cgcaaacgga      240
atcctgcaaa gagatttccg acagggcctc caagcaacgg gcaacgctga ggctcaagga      300
agcactgccg ctcgaccaaa gtcctacagc gaatcaggaa caacgcctga cgcctccaaa      360
agtgggctcc aatcccagct cttccctctg tgtgactctg aacaagaccc ttcccgctgg      420
acctcaattt ccttcattgt aataacgtct ggcacatact angcgcacaa aatcactggc      480
```

```
aggtagcccc gcggagccca aaaacacaat cggccgccag accacgtggc cagaaagcac      540
cggcctacgc cgccactccg gacacttntt cgcggcgtcc aaccctnggc cggaagttac      600
tggtcccgac gggctacaca ttggggcgct ntgggcgccc tggggctggt gtggggccan      660
ccgattggng ggttgattct tggactg                                          687

<210> 1316
<211> 135
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(135)
<223> n = A,T,C or G

<400> 1316
aagcttcaga tggtggaagg gagaaggaga cccagnaatg gntncnccag ggagaacagt       60
tccagttctt gtnctttcag aagaaaacca accagcctaa agaatgtttt ttgatncacc      120
caagggaaaa aaaaa                                                        135

<210> 1317
<211> 586
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(586)
<223> n = A,T,C or G

<400> 1317
gctgcacagg aagcatgctg gggaggcctc aggaaactta caatcatggg tggaagatga       60
agaggaagca agcacgtctt accatggcag agaagggaga gagcacgaag gaggaagcac      120
tacacatctt gaaacaacca gatgtcggat aaacagaaac caacactttt gaaagacttg      180
ctctgctgct gatatccacc agcctcctga tacccaccct ccattctgca gttttaacac      240
agcaccagac cagcattcct ttttgataag agaccactgg ccatgggatg gttctgttca      300
atctgcagag ctgcacacag agggtcttcg tgcccctgct tcaccttttg acgtataggg      360
cctaactgta acacatttaa aggtttctcc ctctccatca caaaggggaac atgggacgtg      420
tgtaaacatac atgctggctt actatgcatg tgcccatctc cctcttgtga atattcataa      480
gctcctccta tagcctgctg aatangtaca cttaacccac cccttcaagc acaaaattcc      540
tgtctcgtaa cctcttccta aanggattgc ttttctgtcc actgga                     586

<210> 1318
<211> 274
<212> DNA
<213> homo sapiens

<400> 1318
catactatac aacatttaac agctttcctg gcctccaccc gttagacacc agtataactt       60
cctcagttgc aacaactaaa aatatctcca accattgtca aatgtctcct gggggaaaaa      120
tcaccccttt tgagaattgc tcaggtagag tatttgcata tgttaaaatt taataaataa      180
ttgtttagtc ttttacatta tgtaaacatc atgctatctc ttggaagaca ttatgatgaa      240
tataacaagg tatttgatgt aatttaaaaa aaaa                                   274

<210> 1319
<211> 442
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G
```

<400> 1319
```
gggaatttgg aaaacaaaac gccagaatag gtacttcaag tggaaatctt caatcttggt   60
aaaggtccct cttaacatta acccttggan gccgaagaat gggaagtttt ccgcttcttt  120
ggtttggccc caagggcttg ggaaatggca aatgggtggc aaatcttcgg gcttcaaccc  180
ggcaaacctt tcggccttcc ccggggtttc aaaagccgga tttcttcctt gccttcaagc  240
cttccccgaa gtaccttggg ggattacaag ggcatgcgcc acccatgccc gggctaaatt  300
ttgaagccca aaatcttggg acctcctcct cttcataaga agccatcctg aaataagtac  360
ctactttaaa aagatatccta aaatctacaa tgcaccgcac tcttctttaa taaaagtctt  420
tgtttattct ccgaaaaaaa aa                                           442
```

<210> 1320
<211> 508
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(508)
<223> n = A,T,C or G

<400> 1320
```
gaaggggggtc ccgatgcana ccccaaaaga gggttcttgg atcttgcgca agaaagaatt   60
caagagtctt tctctgtcgc ccagactgga gtgcagtggt gcaatctcgg ctcactgcaa  120
cctctgcctc ccggggttcaa gtgattctcc tgcctcagcc tcctgagtag ctgggattac  180
agagcaagaa ggcacttgct aggtactagc accttgatat tggacttccc agcctccaga  240
actcctactc aacatgaaga tgacaagaat gaagactttt atggtgatcc acttccactt  300
aatgaacagt aaatatattt tctctgctta aaattttctt cacaacgttt tcatctctgc  360
ctactttatt gnaagaatac agtatgtaac acatgtaaaa tacaatataa agtcaaaaac  420
gtgttaatcc actgnttatg ttacctgnaa agacttttgg ggcaataagt aagactatta  480
agnaaggttt ttgggaggca aaaaaaaa                                     508
```

<210> 1321
<211> 491
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(491)
<223> n = A,T,C or G

<400> 1321
```
ggatggactt tgaagacttg gggttgnntn ntangattgg gaccaccanc tgcctttcac   60
cagctgccaa gactgtggtt tgaaaaacct cccccaggac aagtcatnag nangctctca  120
tgcttggagg aaggagactn ccanttgaga tgcccttgcc attcaccttt tccattccag  180
cttgcattct gcccttggct aaagcaagga caaaattcct tgttcccttg gtgccggctt  240
atgaagcttg ccccactgat gaccnaacac tttattgagg gaggccacaa gaccnaagaa  300
taaggncttc cgaaaaaaca gccnancntg ntaaccaccc cggaacttgg gnagaaaccc  360
tncnattggg taggccnatt gntaccaccn tttaaaggaa aggttgggng ggcttnaaag  420
ttgccttggg cccctttttg nngggctttt tcctttnatt naanccctt gnaaatccct  480
tcaatttaaa a                                                       491
```

<210> 1322
<211> 337
<212> DNA
<213> homo sapiens

<400> 1322
```
caacaacagg gtgcctggca caaggagata ctcaagtaaa actctcatct gctgtgtcat   60
taaggggaac acttaatggc tcacgcctgt aatcccagca ctttgggagg ccgaggcgga  120
aggatcacct gagcccagga gttggagacc agcctgggca acagattgag accctgtctc  180
aacaaagaag aagaagaaga aaaaggccag gcgccgtggc tgatgtctgt aatcccagca  240
ctttgggagg ccaagaaggg agaactgctt gaggccagga gttcgagacc agcctggtca  300
```

353

acatagcgag acaccccccc catctcaaaa ataaata   337

<210> 1323
<211> 469
<212> DNA
<213> homo sapiens

<400> 1323
ggcaagcttt cttagatgaa gaagccagac acagaagaca ccattggaag tatttgatac   60
acacatgtct ttctttgaga ccagctaaca gagacttcag ctcgcacagc agcacaaatg   120
gctgagtgtt ggggatacaa gtggctgagc ggcgagcaga gaagcagcga ctgagctctg   180
gagactacag atagacgcag ctaacttcag acggaaagaa gttttagtcg attactattc   240
tacgtggcta ttgcagcgcc gcacaataca cacatccctg tccctgaagc ccatttgtcc   300
cctccactca atgtcagttc atctgttgag agaggtgacg agaagggaga agtctgtaga   360
aaaatttaat ttccctcggc gaagttttcc ccttgcaatt ccatcgtttc cggattgggt   420
agccaccacc actttcatca ggggctgaga aatggagatg aactggctt   469

<210> 1324
<211> 361
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(361)
<223> n = A,T,C or G

<400> 1324
gaggaatatc acaaacggga cttcacggag gtgctctctc ccaatatgta caacagtaaa   60
ctctgggaag cctcaggcca ctggcagcat tacagcgaga acatgtttac ctttgagatt   120
gaaaaggaca cttttgccct caaacccatg aattgtccag ggcactgtct aatgtttgcc   180
tcgcccactt gaggaatgct ttcatttgtn ttttgagtct gatnaatnac tgcgggactt   240
agcgnttgcc agagnnggnc ttcacagnca tntacatttt tgcaggacaa tgaaaaataa   300
gggtgagttg atngtctact tgtntcttat aactgcaaca aggccggaaa acttctagga   360
g   361

<210> 1325
<211> 244
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(244)
<223> n = A,T,C or G

<400> 1325
atattctcaa cagaangggt aanggctgat ggtacctaaa gcctgntnct tgaattctga   60
tcaanataac tgctaanttc tnttcantat ctagtatngt gtctgggtac tgattttnat   120
gactgattat ggtnccagga gaaaattcag aatnaccnac tngtcntgtc agctgccttt   180
gnntgaatct gntctgaatn nctggtttta tgctttactc tggagacctc actatcctat   240
tatg   244

<210> 1326
<211> 222
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(222)
<223> n = A,T,C or G

354

```
<400> 1326
gatccactgt ggagggtngt tcancnccct gtgtgccaac cacggngaca gcgacctgca      60
nctgnaccgc atctctgtgt actacaatna agccacaggt ggcnaatntg tggtaaaggc     120
tgatggtacc taaagcctgg nacttgaatt ttgtntgttc gctantcttt gccaatntta     180
acagcactta tattgtagat ctgtggtaac tgattttaga tc                        222


<210> 1327
<211> 282
<212> DNA
<213> homo sapiens

<400> 1327
ggtaatggta ggaaagtggt gaattaaaac cagaacggac atctgtagta aacctcacag      60
aagcagatga attggagatc aattattata catgagtcct ttgccctgga acccagccat     120
ttcctgggca cagttgaagc aggagctcca ggagatgaag caggtgatcc tgtggcactg     180
ggccaggtcc aggtgccaag aagaaaccag gtccaggaag cactgctcca catggtggcc     240
ttgatagcca ttgagaatat tccaagccta gaaaagaaaa ca                        282


<210> 1328
<211> 554
<212> DNA
<213> homo sapiens

<400> 1328
gtctatacca aaatcctttg tgccaatata acctgtatcg tttatatatc atctaccacc      60
ttccaggagt ggagctgctt gaccgaaatc aagttacaga aaaagaaaga agatcaatga     120
ttaccatttt taaccataaa aaggctcata tcgttcaatc aatagcattc ggaggaaaag     180
tggatgcttc atgggatcct aaatcaccat ttaagcaaaa accagcccag agagtacctt     240
cagtgtgctt tatgattaca aggtggctgg tgtaccccca agcctcacat ctccattcca     300
cgaaggaaga gagggtggat aagaaaggt gcaaagattt tgcatttgca aataatgtag     360
acaaaactgt gcttgatgac ccagaagatg ctgtttttgt gaggtccatg aagagatcag     420
tgatgacttt gacctctatg aactgggaca cagttccaac acgagaggaa aggtaccttg     480
aagaggaagg cacagaaaca gctcaaatgc tcacagttac actgagataa gccctggtat     540
ttctagatat ctta                                                       554


<210> 1329
<211> 140
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(140)
<223> n = A,T,C or G

<400> 1329
gccttctctg gccaacggac acttctatct gccacccttа gcatgctatc actcatgatt      60
ctnnacaaca tctctgctca aacatctact gctttgtgtg cacacataan tgtgcccaca     120
gcccctgtgc gaagaacagg                                                 140


<210> 1330
<211> 592
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(592)
<223> n = A,T,C or G

<400> 1330
gtggcctctg atcttggaag gaagagtgct cagacagtgt cctgctgcta gaagaagggt      60
ctcgtctggg ggctgtgtct gtccacgcca gattccctgt tgatggatgc tccagtctgg     120
```

355

```
cccccaggag aggctcacac cacacctgct tcactggagg gatctccact gctctctccc    180
tacctcccag gtctcctgag cctcccttct agctactgca gcggtccttt tattcacaac    240
agcagaggcg tgtgaggttg gctctccctc aagctctcct ctaggaccat gggacaccca    300
gtggcactgc ctcaggtcct ctctggccct ggcagacctt gtggctggct ctattgtttc    360
cacaccatgg agaccgagag ctcctcagtg gcagccactt cccagccagg gacccagggg    420
cacaagttcc actgtgttgg tggatttcca gacatttcca aggaagggtc ttttgccacc    480
ttctcgctct tgcancttgc tgggagtgag aacancacct gagtangggt cttgtgtang    540
gttcacatcc accaacccct gactctttga ctcctnctat tcctcttgtc ca           592
```

<210> 1331
<211> 558
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(558)
<223> n = A,T,C or G

<400> 1331
```
gggaaacttg agagctgatg gatctgttgg aaaagattcc ttcgtgaccg acaagtggcc     60
acctgaactt ttgattcaat gttgctgcaa gtgtgtcttt ctccggattc cctgagtgcc    120
tcaccttctc caccccacca caggacctaa gataacttgt agcagcttga gactccttgg    180
gaaagacaaa ggaggtgcca cagactttgt ttccggaaac cccaggaagt gaaattggat    240
ggatccctct caaaatctaa gactctgttc tgcattgcat tgngttatct gatggttttg    300
agttttgagg gtatcggaaa ttacttcaca ttatgagagc gctttggagt gtaataacta    360
ggtaggaaat aaacatttan ggatggctaa cgacaggtat gggggatact ctactctttg    420
ccatttggat gaaagaaaca tgctgntggc cagctggaaa gcatgacaat gtcctacctt    480
cactgacaga taanactcct tggangatgg cttattacag aatggactca ttggaattga    540
gntgcttttg caatgaaa                                                  558
```

<210> 1332
<211> 554
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(554)
<223> n = A,T,C or G

<400> 1332
```
gggaaacttg agagctgatg gatctgttgg aaaagattcc ttcgtgaccg acaagtggcc     60
acctgaactt ttgattcaat gttgctgcaa gtgtgtcttt ctccggattc cctgagtgcc    120
tcaccttctc caccccacca caggacctaa gataacttgt agcagcttga gactccttgg    180
gaaagacaaa ggaggtgcca cagactttgt ttccggaaac cccaggaagt gaaattggat    240
ggatccctct caaaatctaa gactctgttc tgcattgcat tgtgttatct gatggttttg    300
agttttgagg gtatcggaaa ttacttcaca ttacgagagc gctttggagt gtaataacta    360
ggtaggaaat aaacatttan ggatggctaa tgacaggtat gggggatact ctactctttg    420
ccatttggat gaaagaagca tgctgttggc cagctggaag gcatgacaat gtccctaccc    480
tcactgacag ataagactcc ntggaggatg gctaantaca aaatggctca ttggaattga    540
gttgctttgc aatg                                                      554
```

<210> 1333
<211> 579
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(579)
<223> n = A,T,C or G

<400> 1333

```
gacttccagt actatgttga ataacaagng gngaaagtgg acatctttgc agngttccag      60
atcttanagg aaggtctctc annttttccc tattcactat gatgtcagct gtgggtctgt     120
tgtatatggc ttttattatg ttgagacgaa gtctcgctct tgtcccccag gctggagtgc     180
aatggcgcna tcttggctca ctgcaacctc tgcctcccag gttcaaggaa ttctcctgcc     240
tcagcctccc gagtagctgg gattacaggc gcctgccacc acgcctggct aattttttgta    300
ttttaagtaa gagatggggt ttcaccatgt tggccaggct ggtctcgaac tcctgacctc     360
angtgatcca ctcacctcgg tctcccaaag ngctgggatt acaggtgnga gccacccggg     420
tgcggnctca agggaattga acagcttgga ctttggagac nggggagtta aaacagaaat     480
aagaangcgg cagaaaaaag actaccagat tggaatgggg gtgggatant cctatncccc     540
cccccctaa aatgngggcn ttggaggatg gaacagaac                             579
```

<210> 1334
<211> 343
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(343)
<223> n = A,T,C or G

<400> 1334

```
tgggttatac tggccgaata tggcatatgg gatcttattc agtctgcttg ttttcgtata      60
agtgtgattg accctagtaa agcnccatat ttngtagcc ctttgcatta caagaatgtg      120
ganaatttgt tctcaaagcc accanaagta gcacannaac anggaggatg ctggnttncc     180
aaaangaaag ttggactcga aaaacttttc tgaangcttg attaatnaga aaaagaatgc      240
tcttcgggan ggggatgaaa agantnaaag nattcttttnn gggnaaggaa agaaatcgan    300
agtttgcctt gganttnttg aaagcctacc aacccttttt tcc                       343
```

<210> 1335
<211> 569
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(569)
<223> n = A,T,C or G

<400> 1335

```
ttcagcgata gatgaagagc agagctgtcg ccagggcagg gtgtagcatc ctttatctat      60
tctgctgctg tcaggctatt tcctatttta tcctgccata aacaatgctg tgaagaacat     120
cacacttcag tcccacggag aaactcaacg acgaggtttc accatgttag tgaggctggt     180
cgtgaattcc tgacctcagg tgatccaccc accttggact cccaaagtgt tggaattaca     240
ggtgtgcatc accacacctg gcaattactc caaatttat cagctagaga caactgccat      300
caatgtgtga atgaacattg ttttagcttt ctctgtgaca tattcataat acaattttt      360
tggagacagg gtctcactct gtcatcaagg ccgaagtgca gtggtacaat cagggcttac     420
tgtagccttg acctcccaag ctcaagtgat cttcacgccc cacctcctgg gtagctggga     480
ttataagtat gtgcccccat gcccagctaa ttttttgtatt ttaataaaaa agggatttcc     540
catgttggcc acnctggtct tcgaactcc                                       569
```

<210> 1336
<211> 346
<212> DNA
<213> homo sapiens

<400> 1336

```
tgaattttgg tgttgtgcac tatttaggtg catgtcacct ttcaaagatg taacactcac      60
tgggaggttc tgaggcctca ttcctgaagt cagcaagacc atgaacccat gggaggagca     120
gacaattctg gacgcagcac tttttaagagc tgtaacactc actgccaggt ccgcggcttc     180
attcttttaag tcaacgagac caagaaccca gcagaaggaa taaattctag acacagcggg     240
atttccgttt ggtggtttaa aattacatca gattcggacg tcctaggagc tagtgaggaa     300
```

357

ggtattacca aatagacatt gagtgagaca aataaactat atttac   346

<210> 1337
<211> 434
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(434)
<223> n = A,T,C or G

<400> 1337
agaagaaaca ccggaagcaa ttgagggacc acggaaatgg atccactagg aaggaggagg   60
cattctgcag gatggctttt taattttttt tttttgana caatagtctt tntccgttgc   120
ccaggctgca gngcagnggc gtgatctnag ntnactgnaa cctccaactc ccgggttnaa   180
gngattcccg tgcctnancc ttccaagtag ctggnaatac aggcntgtgc cnccacncca   240
nactaatttt tatnttttcg gtananagga natttcacca cgttggcccg gntggtctcn   300
aactcctgac ctcaggngat ntgccgacct caacctccga aagngccagt tttacagggg   360
ggggagccac acnctggcct ttgcaggact ttttaacatt ttnaacaaat ntttatttaa   420
cagagcaaaa aaaa   434

<210> 1338
<211> 474
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(474)
<223> n = A,T,C or G

<400> 1338
atggactctc gctgtgtcac caggctggag tgcagtggcg tgatctcggc ttactgcaac   60
ctctgcctcc cggctccagc aattctcaag cctcagcctc ccaagtagct gggattatgg   120
gtgcacacca tcatgcccag ctaatttttt tgtattttta gtagagacaa ggtttcacca   180
tgttggccag gatggtcttg atctcttgac ctcgtgaaat gcccaccttg gtctctcaaa   240
gcgctgggat tacaggccca acgcacccag cctgtagcta attttaacag ctcctttctt   300
gctgccatat gaaattgctg cttgacattt ctcgcttctg tgaccaccca gtattcctgt   360
ctcaagatga agttgtggca ggctggggac atgggcttcc gaaactggga gttaatttta   420
ctattgacta gaatgatatt agactatttg nataataaag tagatctggt taac   474

<210> 1339
<211> 389
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(389)
<223> n = A,T,C or G

<400> 1339
aaaaagggtc cggccttaca taaaatggan ggttngccat tcnaaagngg ggacanncct   60
tncaagantg gttggccaat nccttccttt tgaaaaaaat nggntagaat gggccccttg   120
gattcggttt tactccggcc anaaaaagaa ggccagatag aatatgatga attcctaaaa   180
gtggttgctt cgccnaaaaa cgatgagacg· tgccaggtac catcaggaac caccgggata   240
acctgattaa aggaagggaa ggtncacccc ntccacctta acaaanttgg ccanggggga   300
anccccggcc ctnaacaaaa ccaacttctg attgtctgga agcttgantt tcctggtctc   360
tggtcctcca cttggaaaaa atggtttac   389

<210> 1340
<211> 189

                                   358

<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(189)
<223> n = A,T,C or G

<400> 1340
```
aggcctgaac tacgtttccn agctcctncc ncaacccntg gaatnatnna gagattcgtg      60
actaanttca gctccnnggt gagtgnnanc cttttgagca cgttcagcct ggttaagtcc     120
aagctgaatt ggcctcgctg gccatttctt ttgctttta ccctggaaga aatactcata     180
agccaccct                                                            189
```

<210> 1341
<211> 189
<212> DNA
<213> homo sapiens

<400> 1341
```
agccagatgt ccctggattt ctatgtggtt tcttagcatt gtctgtgcta agtaccagag      60
cttgaagatg aagttcatga aggcagaaat ggtagtcatt tatgtaaatt aatttttaaa     120
gagaaagata ttctgcttgt aaccagcatc aattaattgg attataaagt tgcattgtca     180
taaaaaaaa                                                            189
```

<210> 1342
<211> 280
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(280)
<223> n = A,T,C or G

<400> 1342
```
gctggaaggt tggaatatgc cctatatgct ggancancga ggtgcgaacg cggcggcagg      60
aagtttctcg acacctcanc ttcttgagta nccgggacta cagacatatg ctaccacgcc     120
tggctaatat ttgtatttt tgtagagacg aggcttcacc atgttaccca ggctgatctc     180
aaactcctga gctcaagcaa tcctcccacc ttggcctccc aaagtgctgg gattacaggg     240
atgagccact acagccagtc aataaaatta cttttaaaag                          280
```

<210> 1343
<211> 435
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 1343
```
tatgcttcag gaactcatca ttgctaaagc caaatccagt ccctctgctc aaactgaaga      60
gaagggaatt attttgtgg cagacggggt atgtggtaag ggcatggcat tcggttttat     120
atgcagactt tttacatacg gatcatgcca acaacagctg agaagctccc cagtgatgga     180
tgtgtttgcc tcggaatgga gtcattcagg cacctgcaag gctgcaaaca ccaagctggg     240
actctccctc acccgcagca cccaccttgc tgcttcttgg tgacatcatg aaaaaggcaa     300
attgggcttc gggtactctg cactnctnct tttaangccc tntngccctt ttcaagggnt     360
tgtntccacc ctttntntcc cccaggctct natgggctct gcctggacta atctntgcca     420
ttcgccacag tccct                                                     435
```

<210> 1344

359

```
<211> 260
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(260)
<223> n = A,T,C or G

<400> 1344
actccgtact tgatggatca gctgacncca cccagaccag natctggctc aaccagttct      60
gccatcccac ccaggaacag aagacagcnn gaaaaactca cttcgaccct ctatgactcc     120
atctccaact tgaccaatca gcactcccca cttnccaagc ccctacccgc caaattatnt     180
taaaaactct gatccccaaa tgttcgggga gacaaagttg agtaataata aaattccagt     240
ctcctgcttc aaaaaaaaat                                                 260

<210> 1345
<211> 185
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(185)
<223> n = A,T,C or G

<400> 1345
gcctgcataa gctcctctac tttaacctgn cgngccatna cnaganaggg aacagngaga      60
cattggccca agctgggcct ggacttgcgg cccaactatt actataacct gggaccaaaa     120
ctggaactgg gtctgttacc tngctcanga nncnatgggt ggggccatac caccccctaag   180
ccagg                                                                185

<210> 1346
<211> 375
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(375)
<223> n = A,T,C or G

<400> 1346
tttggatatg tcattccact gccttctgac ctccacaata ggagacactg atagcagcaa      60
ggggcagaca aatgcctgtg caaatggggc acatccctgg tgaaatacac cttcaagcta     120
aaaaacaacc tgaaggctga aaggctggac tcctggtcct ggatgaaacc canacccaga     180
gtgagaactt ctgtttgtgt ttgcctgccc tttcctgatt gattctttct gaataatgcc     240
ttttaaccaa tcaaatgttg cctttccatt actacctatg gcctgcccct cccctattct     300
aagccctaaa ggcccaagac tcaaccacat tgggggtact ttnctggcnt ttaaaaggaa     360
ccccccccag ttccc                                                     375

<210> 1347
<211> 454
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(454)
<223> n = A,T,C or G

<400> 1347
gtgccttcct ccatgattgt aaagtttcct gaggcctccc cagccatgtg gaactagtct      60
```

```
tgctgtcacc caggctggag tgcagttgca cgatctctgc tcactgcaac ctccgcttcc    120
caggttcaag cgattcttct gcctcagctt ctcgaggagc tgggactaca ggcacgcacc    180
accccgcccg gctaattttt gtgttttggg tagagacagg ggtttcacca tattggccag    240
gctggtctcg aactcctgac ctcgtgatcc gcccaccttg gcctcacaaa gtgctgggat    300
tacaggtgtg agccaccgca cccagcccac tacttttca aatataactt actcctacaa    360
aaattggaca cacagcatgg gnaaggcttt cattaaaaaa atacagatgt ctacagaaaa    420
taatgttcat tttagaagtg gagagattat ggat    454
```

<210> 1348
<211> 458
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(458)
<223> n = A,T,C or G

<400> 1348
```
gggtcaagct gtggctcagc tgtgttccac tgtccccaac gtgactgtct ttggaacaag     60
cctctacttt caagcatgaa gcaatcaaag actctgtgac ccacctcttt gacagaaatg    120
cagactacgt gcaagaaatt aaaaagaatc tctgctgaag gngnggacat cgttttggat    180
tgcctctgng gggacaacac tggaaaaggn ctcaatcttn tcaaaccct gggaacctac    240
attttatatg ggtcatccna catgggaact ggagaaacca aaaacttctt tagctttgca    300
aaatcagctg gagtgcaatg gccgatcttn gnttatggna accttcgact tcctgggtta    360
aagcgaatnt tctggctcan ccttcctant agctnggatt acangcttgc ncccatanc    420
caactaattt ttgttttttn naaaaaaacc ggggttta    458
```

<210> 1349
<211> 459
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G

<400> 1349
```
gaccctgaac ccaggccacc attgtgaaaa gagaaagcac agctacatgg ttacaagatg     60
aattttgctc ttgctgcgca gactggagtt caatggtgcg atattggttc actgcaacct    120
ccacctcctg ggttcaagtg attctcctgc ctcagcctcc caagtagctg ggattacagg    180
aatgcgccac caggcctgac taattttgta ttttagtaga gacagggttt cattatgttg    240
gtcaggccgg tctcggactc ctgacctcaa gtgatcctcc cgcctcagcc tcccaaagta    300
ctgggattac aggcgtgagc caccacgccc agcctgagta attacttttt aatggattgg    360
aagtattgaa tgtgcttatn tgctcacaat atattaagng caaattacag aactgcattg    420
gatgctctat ttctgatata tatatatata tatatat    459
```

<210> 1350
<211> 383
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 1350
```
gtaactgctt agaaatccat ctgttgccta ttaaagaaga ctggaggctg tacgcagtgg     60
ctcacgcctg taatcccagc actttgggag gccgaggcgg gtggatcacc tgagggactg    120
tcccggaact cttggacttt gggctactgt gtgcataacc tcgtggaggg ttctgagcag    180
ctctgtccat ctacatgtga aggatcaaag ggtgccccag gctggagtgc agtggtgcga    240
```

```
ttttggctca ctgcagcctt gaactcctgg gctcaagcaa tcctcctgcc tcagcctccc    300
tagtagttcg gactacaggc atgagccacc atatctggct tggggaattg gaaatnttaa    360
aaaaggcttt tgtaaaataa aaa                                            383


<210> 1351
<211> 459
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G


<400> 1351
gctccagacc cagttcctgg acctgccctg gaaaagaagt atcccgtaga gatgagctca     60
ctgcagttac ttaattaaca atttgtaagc tgcaaaaatg gcaatgggct aaccaagaac    120
agctacaatt tgaattttttc tatttccaga gtttcgctct tgttgcccag gctggagtgc   180
aatggtgtga tctcggctta ctgcaacctc cgcctcccga gttcaagcaa ttctcctgcc    240
tcaccctccc aaatagctgg gattacaggt gcctgccacc acgcccagct aatttttgta    300
ttttttagtag agangggct ncaccatatt gggcaggctg gncttggact tcctgaccnt    360
cagggngatt cccccacctc gacctcccaa agtgctggga ttacaggcat aaagccaccg    420
ggcccagctg gggatacttc ttataacttt ctctgaaaa                           459


<210> 1352
<211> 456
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(456)
<223> n = A,T,C or G


<400> 1352
ccagctgtaa ggtctaactn tattgcnnac gctcnnatgc angagacgca gatcatggat     60
cactgcagtc ctcaacttac tgggctcagg atgaaaggct tcctagcaca aacaccaccc    120
ctggagttcc cggtacatca ataccagcct ggggatcacg ttctcatcaa gagttggaag    180
agggaaagct tgaaccagct taggaggacc tcatctggta ctcttgatga atgaaacagc    240
aatctgaatg gctgaaaaag gatggaccca gcactccagg gagaaaactt ggcattcttt    300
gggaatctaa caggatgcag tgaacccaag ccttttgaag agctcaccaa tcagactgcc    360
ttgtctattc cttgaccaaa tgtttgatag tattggcgga ggccctctaa tggggtatgc    420
ttgncaagca actggagtgg gcacttgggc tctaat                              456


<210> 1353
<211> 186
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(186)
<223> n = A,T,C or G


<400> 1353
gcgcagtaag attgaggagc taaaaacaga cttgggcgga tgtctgcagc tgcaagaaga     60
tgtgtgggaa cagacacaga aactctccct cccagataag caagacaaag aaacacagaa    120
taagagtcca tctatgtggn cagagaatgg gataaganct gatttaaaaa aactctgctc    180
tatata                                                               186


<210> 1354
<211> 365
<212> DNA
```

<213> homo sapiens

<400> 1354
ggtgggagag cggaggatta cgcggagcaa ctcaggaacc tctccagagc cagtgtaccc   60
taagatttcc cacttgctga gtctactgtc tccatcccac catccccaag gcctcctctc   120
tggctgctgt caactcatgt gatacctcag tcagcaccag gcacaggtga gcacctgagt   180
cccctgagta tacacactct ggctcctcgg ggaacagaca cctgctggct ctgcaaagga   240
cacagagcac atgctctgaa tgccccaagg ggacatcaaa agcactaaca gttcacacct   300
atggagcact ccctgtgtcc tgaactccat gctaagcttg cctttattaa cctgtttcat   360
cctca   365

<210> 1355
<211> 447
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 1355
aagcaagagc aacggctcta tatctggatc actgcagtgc ctagaagata caacagcaca   60
atttacaaat ccaaatttcc aggaagtctc tccacatacc tctagtacaa aagatgcttc   120
agagactaga gggtcagaga ggaaagagag gaaatattca actctcagtt caggacaaaa   180
gggaagaaag cctgctgttg aaagaaatcc aagaatgact gtgtctgcaa ctcgctcctt   240
tctgtaaagt attcatggtg ctttacttaa aatatttgct cttatgatcg tcaatattaa   300
tagttatgct ttgnaaaaga atttattctt tactttataa ttaaatggat gattctaagt   360
tattatatgt ttaagttgct atagtaagat gatgtgaaag atttggtgcc tggtaaatat   420
ttctgggatc tttgctttat ttttata   447

<210> 1356
<211> 269
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(269)
<223> n = A,T,C or G

<400> 1356
cagacccatt aatacgataa gggctccgac ncattannnn ggaaggaagg ncantcnttg   60
ttnaaagana tgtgntcang aaaactttga ntagcacctg ggaatgtacg gacactgtgg   120
tctgggcttc tgntgaatgn atgctccagg gaacaccggt taacccctga agaagnacac   180
atnatggtng gcccanatac tcanccnnga tcaccccaca ggggtaaggc tgngnctgtg   240
gaaaagagca tcaaacttgc tctcttaaa   269

<210> 1357
<211> 372
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(372)
<223> n = A,T,C or G

<400> 1357
tggctgactg acctactcgn ttgcagactt gccnggttac caaatgctct ncctagagac   60
tggagcttga atatcatnac cggaccatcg tccttggtag ctggttanct attgntgana   120
aanacgttct gccngatcct nangnnaaat nnctntttat ttnctggggc acaagcaggc   180
catgcnaggc actgtgctgt gnatctancg gngcacdttt tcagtaaaag gggggccnn   240

```
caannnnncc cnaactntgg catattgntt tgctatanag attctgaagg acccagnctt      300
ttggaaagta ctggtttaac aagggtttgg cancgtnaaa acatgangag ccctctggct      360
cctaacaaga ga                                                          372
```

<210> 1358
<211> 548
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(548)
<223> n = A,T,C or G

<400> 1358
```
gaattcagcc tgggaaagan aagaaacacg gaggagaata ttngattaac attttttccaa      60
cgtgaccaca tcacaggggc ggtgnggccg gaattctcac cntggactgg gctccaggac      120
ccagggcaga cacaggcggt ttggagttgg acgcacccac cctttttcaca gactggaaaa      180
ccangtcgca aaaggaaaga ngacaagggg acaccgnggn tccagcctta ggacccaggc      240
agaagtaatg ccctccnggg ttgctgnncc nagggngggn cctacaagag gnttttttagg      300
caccaaaggt ttagntagcc cgcatgctcc cganacaggc aggttgccct tgaatntgtt      360
actnatagct ggggtntttt aaananatna ctcacntnnt ntgcgccttg tttctncanc      420
tgntgtaggc ctggcancnt ttttttctnna anggntatgg nncctnagga natcnntgnt      480
aagnntnnan ncaggttctt ttttttaaagc cacgggcact ctgnttccca cntgcctttg      540
ttttaaaa                                                               548
```

<210> 1359
<211> 580
<212> DNA
<213> homo sapiens

<400> 1359
```
caggatggcc tggacttcct cacagtatgg tggctgggga gcaagaggaa aaggcccaat      60
gtgcaagcac ttatggagcc tctgcctgca tcacatttgc taatgtccca ttggctaaag      120
caaatcacat ggccaagctc aagtctatgt ggaaggagac tacacaagaa cagaaatact      180
gggaggcata attctccaac agctgcaaag taacagtcta tcacaatttc taattccagc      240
tcttgcagcc agaagacact gttgggtttt tagatgcagg gacagcccag agatccaagc      300
agaggaaata cgtttggctc tgggagagtc tggagtctta ttagcagcta aagagcctga      360
ctgggttgtt gcatgtgact ccatggtgca atacagcctc tccagcccag gggccataac      420
aataagaagc ctccataact gggagccagt gaatgaaggt atcctgaaca agcatgaaaa      480
gaagtatcag ctcaaacaga agttctatgg gtctaggatg ggatcttggc cccagagtgg      540
gaagcggaag aataaacacc ccagctttct tggccctcaa                           580
```

<210> 1360
<211> 483
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(483)
<223> n = A,T,C or G

<400> 1360
```
aatttataaa tctttgatgc ttcagagtcc acactgaaat gtggaggcac atgaccatgt      60
gacatttggt gccgtaactc agatcgggga acctcccttg ggagatcagt cccctgtcat      120
cctgctcttt gctccatgag aaagatccac ctatgacctc tggtcctcag accaaccagc      180
ccaaggaaca tctcaccaat tttaaattgg gaaggaacct cttctgtcca ttgtccctga      240
gatgtgcact caagttgagt tgatccatgt aattcaaatc cctcctcaca gctgaaggca      300
caagaggact tgtaggtgaa ttctccaata ggggaatgag cacacctcac caaacccttc      360
gggggctggt ggacagcatc gcatctcaca agctggacac acgaaaaaac acnttaaaag      420
tttggttgca tcttcaacaa taccntttcc aaggnaacca agttcccaac tctttaataa      480
gtt                                                                    483
```

364

<210> 1361
<211> 691
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(691)
<223> n = A,T,C or G

<400> 1361

```
gtggtgcaca attggcccaa aatccccggg atnaacaaag gtcttccatt ggaaactggc      60
ttgggtggaa gctaagggaa taaattaaaa aaccccttg  gacattcacc aattccaaga     120
aagcttcaca aaggacttgg cattaatatt aaaggggggg cttgggcttg gtaagcttgg     180
caagcttgga aaggggaagc ttggaccaag ccaagcttga acccttcac aacttcaacc      240
ttaagccacc atgggacatt cggccattcc caccacccct tgggaatccc gcccgccct      300
tcttttcctt ttccactccc ccaagcccgc ctcttttgac caagtttctt tcgggaagaa     360
gcaccttgtt ggggaagtct tgatctttc ccggacggtc tactttccct tggaagtccc      420
ttctaccttt cggccaccc tccttttcctt gcggggcacc caagcttggg gtttgggaca     480
ctggggactc tcaagaagat gccgccttgg gaagaaaaag ggacaagggg ttctcttggt     540
caaaccctgg atgggggaaa gcactttctt ccccaagaag ggaacttcaa aaaaggttta     600
agggnggggtt gggggagaat ggtggaantg agggngccat gggaaaaaca tggaaagaag     660
cggccagggg atggaaacat ggggttcaat c                                     691
```

<210> 1362
<211> 529
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(529)
<223> n = A,T,C or G

<400> 1362

```
ctggagtgga tgaatcagaa ctttccccat ggggagcatt tataaaagg  ggacacccag      60
cgcagaagat gttttccagg gagatctcgg ggagcccaac aagccaagaa gagcagagca     120
aagcattcca aggaaggact ctaagtctgc aaccgagcac acacgagggt agcctacgca     180
tgtacgtctt gcagtgatgg caaggagcag gagaaagaaa gcccatccaa acaagcatat     240
tggaagccta tgtatcccat aagctgacat cttgttgccc aaagcatgtc atgtgcgtgg     300
tccagagtca gtgttgaagg gctctgcaaa atcacatggt aaagactgtg gtttcaggga     360
ggaagtgaag atttgtgcgc attgctccaa ttgacaacca tgacactagg ctcaggccac     420
acttcttcct aacaagagag caagtcaaag cgtgggtagg taaagtccat acaaaaactc     480
actttaacag gcctnctctg gattgaacag ctgatattaa gtcataagg               529
```

<210> 1363
<211> 475
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

<400> 1363

```
cagaattgga gaagaaagga ggaagaagga acgggttggt cttgcttgac tcatgagtgg      60
gttngaggca gaagaaagta gaggcggtga ataagggagg aatattttag aaggctttac     120
caagaatgtg gaattacact atggctttaa gaatttggcc agaaagaggt cagaggagga     180
cagagcaaac ttcagaaata gacaaggtct tactctgcta cccaagctgg agtgcaatgg     240
tatgatcata gcttactaca gcattgaact tctggattca agagattccc ccacgttggc     300
cacccaagta gctggaacta caggcatgta ccatcacacc cagcttatat atgnatataa     360
ttatttttgg acatacagga tctcactaca ttgcccaagc tgctctcaaa cttctggcct     420
```

```
taagatgatc cttctgcttc tgcctctcaa agggctngga ttataggcat aaacc          475
```

<210> 1364
<211> 467
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(467)
<223> n = A,T,C or G

<400> 1364
```
tgctaactga gtgttntcag nttaatgaag aatgatacag atgaagggaa gctggggaaa      60
agaactcacc cctttgcat acctaccctg ctccaggtgc tctgcatctg ccaccgtgca      120
gattgttaca gcaactcacc agaccacaac ttgcagctca caacacaaca ggaagcttaa      180
agatgctttg cttgctaaag tggaaggctg aaaggagcag aaccagaaga gtgctggaga      240
gatggatgtg ggtggcgttt gttttatgta cttacaaaag aagagctgca agtagcatat      300
gaatctccgg ttcaattaga caaacttgta gagaagaaaa agaacttcct caagaaactg      360
accaccaccc tggagtggtt aagaattgac cactcaacaa cgctggatta tagcaaataa      420
attttcacgt tagattgtta aaaaaaaata gtgaaccc+t acaccgc                   467
```

<210> 1365
<211> 303
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(303)
<223> n = A,T,C or G

<400> 1365
```
gtagcagaat gaactaccta ctcgcctgaa tnaangcttc cacctcanct gccanannat      60
nccgggatta caggcctgag ccactgcagc cagccagntt gttattttaa tgtaaattct      120
tagtaaacaa ctcaggagct ctcttgtcct tttaaaatcc atttcaactt ctgctaatcg      180
gagtgtatat tcaggcaac ttgaatctgt gctcctggga tgcaatcctc aagcttggcc       240
caaataaaag tcttcgctga tattanaaaa aacacacnca tgnactgagg gcatactcac      300
ctt                                                                    303
```

<210> 1366
<211> 156
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(156)
<223> n = A,T,C or G

<400> 1366
```
cttgttacat catggncnca ggatnaaatg ctacagctct ggacatcaca tcaaaatatn      60
ggcnggaagc taaagcacgg aagacagaga agagagncna aaacangtnt atncactttg      120
tgngcntctt cataatgaac gaataaacga tatgtg                                156
```

<210> 1367
<211> 370
<212> DNA
<213> homo sapiens

<400> 1367
```
tgctcacctt ctccagaccc agggttgaat gaccagctca gaagccatca cacaaaactc      60
atatttgaat ggggacaagg ctcagggcac caattgagaa tgtcagagaa agaaagccta      120
```

```
gaagaaatgt taactgcttt tgcctctgta aatgactgtt ccaagatgga ggtcttgggg      180
caggaaaggt tagacgggta atatgctgag attgtaacaa ggttcagagg gtggcatgtc      240
tcacacacat gcgtgaacac ccaaacatca tgcccatgaa ctacaaaagg atctctcact      300
tatgttttaa agcagttatt ttgaatgcct cgaaaccaca ttcaaacctg ttatttgaaa      360
ataataaaaa                                                            370
```

<210> 1368
<211> 443
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 1368
```
aatatgagcg tccatcatgg accaaccaat aacttcaata aaaagtgctg tatcccctgg       60
cagatgatga gtatcttcaa gatggctgga gtgcaatggt gtgacgtcgc tcactgcaac      120
ctccgcctcc tgtgctcaag agatcctccc acctcagcct cctgaataac tgggaccaca      180
ggtgcatacc accatgcctg cacaattttt gtattttttg tagagatggg gtttcgccat      240
gttgtccagg ctggtcttga actcctgggc tcaagcaatc cacccacctc ggcctccaaa      300
agtgctggga ttacagtgtg agccacggcg cctgacctta tgtcaatttt aactgagatt      360
cacattttac atattttga tcatataaag ncaagntgga gaatgggtaa gttgatgggg      420
cagacaaaaa ataacttcac ttt                                             443
```

<210> 1369
<211> 359
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(359)
<223> n = A,T,C or G

<400> 1369
```
caaattcacg gaggggggng caggaagttt tccttncacc ctgtaggggn cttttactcn       60
nntntgaggg gnccagncga aggcgttcca cganccctnca ccaaggagac tganngnngn      120
tttacatacc taaagcggtg ncnaacctcc tgacctnagg tgatccaccc tgttntggcc      180
tcccaaagtt ctaggnttac aagttgtgag ccaccacacc cagcctgctt ttaaagttat      240
tngaaatcag gaaatncgaa cntctctttt cttnttattt caagattgtc tttggctatt      300
ccngcacccc tttcntttct tcatatnaaa ttnttaataa accagccttt gcatttctg       359
```

<210> 1370
<211> 388
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(388)
<223> n = A,T,C or G

<400> 1370
```
tgaagatggc tcctgtcctt tcgcaacatg gcacncgagc catgngtttg anacgnatgc       60
anaggctgct gcggcgctga agaccccagc gagacaatca naaagagaaa gngcgcanaa      120
gaaacatctg cccccaagtg atggaaatac accaaagtct gtttttcagga ttgctctgtc     180
gtttttttgga ataaattatt tttctgctct ctacggaaca atactcaaac taataaaaac    240
aatttagtta gttgtgacat gctaaagcat gtagttaaaa agcagtaact agttacaaat      300
atctaatggg agaaacagtt tccaataacc atagctacag aaattgtcaa atatctagaa      360
taaacttcta tgaaatgagc aaaaaaaa                                        388
```

367

<210> 1371
<211> 351
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(351)
<223> n = A,T,C or G

<400> 1371
ggtgcacacg cctcacactg tgacacagcg ggagagccca gagcgacagc tgttggaatg   60
actgcactct tcctgctcaa gtctgacctt tccaagggtc tcactctgtc acccaggttg   120
gagtaaagtg gtatgatcat ggtcactgca gcctcgaact cctgggctca ggcaatcctc   180
ctgcctcagc ctcctgagta gctgggactc agcctttgtc ctatgtctgg agacttcttg   240
aactgaccca aatantcaga aacttgggat ggcatgatag actgnttcgg gaacctgcac   300
ttgncggtgg cnaggaatag gaancaangc agactaagct agactggagg g   351

<210> 1372
<211> 157
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(157)
<223> n = A,T,C or G

<400> 1372
tctctggtga tttggaacng gnatgggcna tttattattg nacctnaact agttngacct   60
nnctnaaann gtgggnnact actcaacctt ttgagcaagt tcagcctggt taagtccaag   120
ctnaattggc caattctttt gnttttacc ctggaaa   157

<210> 1373
<211> 567
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(567)
<223> n = A,T,C or G

<400> 1373
ggaatcaagg cttctagaca ccaccggatg agtcaaggta ccgtggccca gacaaactaa   60
gcactggntc tgtcaccaca tagacacaaa ggcnttcaag aaaccacagc cctntggctt   120
tgntgctcct tccttcataa tcaaatcaac agagtgtgtt tgtngaattn acccacaaca   180
caaacagatg ccgcgaaaca ccttggagcg gntggccggc agaaatgccc actgagcggg   240
ctgtgattca ctcgggagga ggaaggcctc ggagggcagc caatcgaaga cggacccagg   300
gaaaagtcgc tgggttctta caggaagcga tctaattatg ttactgtaat cctcaagctc   360
gcattttca gccacctcaa cacgaactca cagacttcaa cgattatgta attacggaaa   420
acttcacaac aaacatgaag attccttctg gaggccacat tgaaagaccg ggatgtgcat   480
tagagcgtgg gagggaaagc acgcagctca caaaaaggaa gagcaaaaga gatgtatttg   540
acttaaaang ctacatttga aaaaggg   567

<210> 1374
<211> 488
<212> DNA
<213> homo sapiens

<400> 1374
tgtctgcagc ttcattcctg aagccagcga gaccatgagc ccaccgggag gaacgaacaa   60
ctccagacgc gctgtcttaa gagctgtaac agtcacctcg aaggtctgca gcttcactcc   120

368

```
tgagccagcg agaccacgaa cccaccagaa gtaagaaact ctgaacacat ccgaacatca      180
gaaggaacaa actccagagg cgccacctta agagctgtaa cactcaccgc gagcgtctgc      240
ggcttcattc ttgaagtcag tgagaccaag aacccaccaa ttctggacac aataggattt      300
aagaaccaca atctggatgc ttattgtgtt aattactgct gagttgtcat tcctttttaga      360
ctttttcaag ggacagagca atgaaatatg cattttaaaa tttatttttaa aagataaaat      420
gagtttatag tgatatgtca attcaaacgt tagattatta aaattttttac ttaccttcca      480
aaaaaaaa                                                               488
```

```
<210> 1375
<211> 501
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

<400> 1375
gtctataaac catctggaaa tgtttctgca cacggcatgg aaggagagcc aattgtacag       60
atgtacagct gcctccttgt actctatcga atggtgcact ctccccactg catcagtggn      120
gntcaagctt gnttancanc aatactcttt atcactgggc aggaaatcaa gtcaccattt      180
gctccacaaa acagtttgaa gaccactgtt ccagagaagg ctttagcacg ggttggattt      240
tggacagcat ancagctctc tcctgttgat gggaccccgg atggtgaatt cctttggcag      300
ttggactggg aacagnttgg aagtnctggn ttacctgctc tggggacacc tagactattc      360
tgatggcctg agcatatcaa aagccttccc cacactgtcc ctctcttncc tacatgttcn      420
taagacatgg ggctaatttc ttcnttttga caacagccca aattntggtt ccaggcctcc      480
tgggcctcca gttgcaacgg g                                                501
```

```
<210> 1376
<211> 248
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(248)
<223> n = A,T,C or G

<400> 1376
gattgtgtgt gtggagcgnc ggacacacgt gggtgcccca tgnatatcac caaaagagan       60
gacagccctc aaganggtgt ctgaggtcan agtgtaanct ncgnnnaaac tnncancctg      120
gcctgcanga tggaanctcg ntgtggcacc caggctgnag tncatngcnt ggantncatc      180
tcantgttgc ctccgcctcc tgagataaga atnacactcc tgccttgcct tcaccttcca      240
gtgtgctt                                                               248
```

```
<210> 1377
<211> 571
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(571)
<223> n = A,T,C or G

<400> 1377
agaggacatc ttgctgtgct ttccaggctg gacctgaatg aacttctggg ctcaatcaat       60
ccttccacct cagcctaaca tttacactgg gagcagagat gcatttggag taggtgatga      120
ttttggaatg ctttagaagc aacataggta tctgatttca tcaggtcaag ccatcaaaaa      180
tgaccaataa atctctgacc tcttagaagc aatttgaaga cccaaatttt ggccatcatc      240
aaaattcgtg ttcattcaaa attagacatt ctggagagca aggacaatca ttttgctgat      300
gctgcagcta agaatgcagc tctgaagttg acatcagaca cagaactcct cgaaatgacc      360
```

369

```
ttgctgactt atgacccatt gaagacttca ttagaagtac aagtgggctg ggcatggtgg    420
ctcatgcctg taatcccaca ctttgggang gccangctgg cggatcacct gaggncagag    480
nttgagaaca gcctgggcaa caanagggaa atctgctttc taaaaatcca aaattanctg    540
gggngggaaa catgntataa tccctggtac t                                  571


<210> 1378
<211> 278
<212> DNA
<213> homo sapiens


<400> 1378
aaaaagaagc attcgatgga ccaacgatat aagaagaaaa gctagaaata ctggttgtca    60
aatatttgca atcaaatgta tctttaaaac aattacagat gcaaaacata tgtatttcgc    120
agattggagc acaccatatt tcattttcct ttattttta tacctttaag tatagcacac     180
acttggaata ggacaactta tgtatgtaga aaatgcacct ttcctctcaa actcactcat    240
ctgaaataaa actgcttatc tcctgcccca aaaaaaaa                            278


<210> 1379
<211> 409
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(409)
<223> n = A,T,C or G


<400> 1379
gtgcagcagg aaacgcctga cctctcaccc tgcccctgca atgacctcaa cctcacttat    60
ggggaccacc ctctgggctg ccctaatgca gacccatgat cacctctcca ggttgactgc    120
cgaatagcag gagaagatga acctgaaatt gaatggttat tgcaacccag ttttttcggt    180
cgaaaggtga aggttactta gcttttgttg ctgccttcaa gcttgttaat gaaaagatgg    240
aaaaacaata ttgacatcag tgaagtccaa tttgttcaga aatggaactt gatttattat    300
agaaatgaga tagaagacca atgaagaaag tnagatttga aataagancc attatttggg    360
aggaaaattt ggcaaaaatt tttaaanaaa aattattact tttttttaac                409


<210> 1380
<211> 319
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(319)
<223> n = A,T,C or G


<400> 1380
gaaactgtga tggctggaac tcangcagnc acagtggatc ataagggacn ggngncttgc    60
tatgttgtcc aagctgnnct canactggcc tgaatcantg cttncacctc anntgccana    120
ngaaccggga ttacaggcct gagccactgc agccagccag tttgttattt taatgtaaat    180
tcttagtaaa caactcagga gctctcttgt cctttaaaa tccatttcaa cttctgctaa     240
tcggagtgta tattcagggc aacttgaatc tgtgctcctg ggatgcaatc ctcaagcttg    300
gcccaaaaaa aagcctccg                                                319


<210> 1381
<211> 565
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(565)
<223> n = A,T,C or G
```

<400> 1381

```
ctgtgatgac  ggtcgaacca  aacccattcc  aaagaaaggt  nctgtggagg  gctttgagcc      60
cgcatacnnc  atntgnnntg  ttaaatcta  cngttggtna  anaatgaaga  actctgntnc     120
ttgnnccnnc  aanntaccna  ngggctctt   gtgcctnatg  cctgcactgt  tagattncct     180
gnntctaagg  ctttggacag  aaactgagcc  acnctaccng  cttggagcca  tgctatcgct     240
tctaagattc  tccagcctgc  acttggccta  ttgtgggact  tcgtctctgt  gactccgtga     300
gccaattcct  cctaataaat  ctgcttccgt  ttatcctact  ganngnatnt  ctggagaaca     360
ctnattnntg  catntaccct  tgggcagtaa  acaacctgtc  anacaatacc  cagcgngact     420
tggaaagcac  agtgactttc  agagagaaga  ttgtctggga  aaggcctaan  attgagggca     480
atgggaaggg  ttttctttct  tccctctaat  ggataaccna  ncttnctact  caaacccttt     540
gngataaaaa  aggagaatca  agcgg                                              565
```

<210> 1382
<211> 406
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(406)
<223> n = A,T,C or G

<400> 1382

```
acagcactaa  accctccnag  cactggantc  tgccactcgc  gctcgancga  cgtgtacaga      60
agagctgntt  tnccattggn  atgctntctt  aaagtntagg  antccctggc  actctntcnt     120
attactacat  tttatcagcg  cngagnatga  catgcntngg  daccgnntna  gtctncggac     180
tntcttaaag  gactcgatac  gaacatgcat  agacttcacc  nactccgtta  cgaacggccc     240
natctaaata  aagncatgac  attttaaaca  gctgaaaggg  gnccnggntg  ccattnccct     300
tggcttaacn  aggtgggatt  tncacngaag  atgaagatnt  cgatacctnc  cacacagtaa     360
ttncactggt  gggcatatga  ccagcattat  ccaacttatt  aagcat                     406
```

<210> 1383
<211> 538
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(538)
<223> n = A,T,C or G

<400> 1383

```
ctctgtgtag  ctctcctggg  tcatggttct  caactcctcc  agggagtgaa  gtttgaagct      60
ggagaagtgg  agaaggaaca  cagaatttgt  tctcaagtct  ctaagtctca  agtctctatg     120
ttctggaggt  cagaaggtca  acatgggact  cccccagcta  aaatcaaagt  ggcagcaggg     180
ttgtgctcct  tctgaaggcc  ctaaaggaga  atctatttcc  tccattgttt  tcagcctcta     240
gaggacatct  gctttccttt  gcttgtggcc  ccttcctcca  tcctcaaagc  cggtaatggc     300
agatcagcta  cttaccagtt  tccctgaacc  tatgaagatg  ccagaggccg  tctctggagt     360
gaggcctctc  tgttggtttt  gagctgcagc  atgccaccca  gagcagcctc  tgatcccagc     420
ctcagaccca  ggcttctgaa  accagaccag  gtcagaaggc  aactgagaca  tggtctcaca     480
tctgggatat  ggtgaaagnt  tcangactgc  agggacctac  ntaaacaggg  tggatatt       538
```

<210> 1384
<211> 289
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(289)
<223> n = A,T,C or G

<400> 1384

```
catccatcca gatgaacgtt gcgaggttga caccttcaca ngcnctttta atggccacct      60
tnaaaattat tctatntgcn gagncttttcg gaggatgggg gattcagang atgtcnttct     120
cctntgtgcn gagncgatgg cattggactc aaagaanttt tgactggacn agaatcacat     180
tatgtggaat atttgacata cntaaattat gtaggcntnc acattttcca aacagtcgag     240
gaacagaaag aacanggagg ggtctganga gttagaactc accatacac                 289
```

<210> 1385
<211> 222
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(222)
<223> n = A,T,C or G

<400> 1385
```
tgagccacca tgccccacca ggattcactt tttctgnata ctntggggggg gnanattggn     60
atcntnacnt tttatttagc attagaatgt taanagcgcc atgttntaan cacactccta    120
ccctccnngc anaatgnaaa gggnatggat ttatatattn naagnggacc cactcatttt    180
gtacanctat agccgtcaca actattctca cctatgtttg ct                       222
```

<210> 1386
<211> 274
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(274)
<223> n = A,T,C or G

<400> 1386
```
tgccaagttg tgcccagtgc tgtatttgcc tanaggactg aaggacaagt gnagctgctn     60
gccctnatgc tgaacngccc cgcttnaana tgtatagaac gcgacttcna canacctgga    120
tttttttatgt acnacnttga ccgtgaccgg gaactatatt ccttttntcta tganaataat   180
gtagaatgat atgnangcan ctttgacttg aaaaaactnt taacatgggg ccannaacgc    240
aaataaannt ggcacttaac ccctttaatt tggg                                274
```

<210> 1387
<211> 269
<212> DNA
<213> homo sapiens

<400> 1387
```
atgagctcag aaagctgctg ctgttgattg tctggccatg gaaagagttc tcagtcaaat     60
gaaagtctct gccttgggat ttattaaaca cttttattct ttgactttttc acacaaattt   120
tgcagcatca ggtatcccct ccccttctgc tgtctgccat agtggaaaca gcctgaggcc    180
cttgccagat atagatgttc aaacctggac tttccagcca ccagaatcgt cagccaaata    240
aacttctttt ctttctaaat caaaaaaaa                                      269
```

<210> 1388
<211> 172
<212> DNA
<213> homo sapiens

<400> 1388
```
attgctatct tgccacagag ggttcttttg cattgctcca agtgctgagt tgcaaaccca     60
taaacagtgt cttaacagtt ttatctatcc aagaacaatt ggatggccaa acgacattaa    120
aaagcaaatg agaagtacca tgacaattca agagagaaac ctcaaaaaaa aa            172
```

<210> 1389
<211> 177

<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(177)
<223> n = A,T,C or G

<400> 1389
tctcagctta gcagcttgaa gactgaccnt accanncaga ccntgctcaa aagnagaaat   60
ctnannagcc ttttgagcan gttcagcctg ggtaagncca agctgaagtg gccanttctt   120
ttgntttnta ccctgggann aaatcctcaa aagccacctn ngttatttac cccaaat   177

<210> 1390
<211> 471
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

<400> 1390
gcatgggcag gtgcaggaca ccagagagga gagtgtggag ctccagcgag tgtcagcggg   60
gactgttact accacggagg agaggagggg gtcaccagac ccaagacagc gctgcagtga   120
ggaggggtct gcttgatggg gctgggactt tcagccgagc aatgccctca gcccgtgacc   180
gcctctcagg gaaacgaatg cgctgagctc acgatcttcc cttccttctc tcagtgttct   240
gcctgggcac cccattgact gagctcaaca ggttcaaggc ggtcttcctt gggcacagag   300
caagatatac agcccacccc ctccccagca gagtgcaagg agcccatcaa agatgcagtt   360
ttgccacgtt ggccangctt ggtctaaaac ttctgacctc aagtgatcta ccctcctcgg   420
cctcccaaag tgctgggatt aaaggtgtgc accacttgcc cccagcgcat g   471

<210> 1391
<211> 212
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(212)
<223> n = A,T,C or G

<400> 1391
agacggggtt tcgccatgtt ggccagactg gtctcgaact cctgacctca gctgatccac   60
ctgcctaggc ctcacaaagt gctggaatta taggtgtgag ccaccgtgcc cggcctgatc   120
tcattggatc tttgcagcaa tttgatgaat tgggtgttct cgttatcccc aggtgacagg   180
caactgaggc ccanaagaag gaagtaaaaa aa   212

<210> 1392
<211> 383
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 1392
ctgcctcatc ccttggtgag gccaaggagg gagtcccagc accaccagca cccgccaccc   60
tccctgtctc aagaggaaga gggcccccagg gcaccaatgc ctgcaaccat cagagacaca   120
gaaagatgct ccctgngttc aggagtgagc cgtgtttgct gcagctcngg aaggcaaagg   180

```
gaaaagccat gtgacatccc ggaccccggg gaccacaaag caggtcatga gaccctcagg    240
tgggaggtgc ctcccctgta cctggaggag gggaacagaa gatgcaaaga tgccaagaag    300
aacctgaaca aacaggcctt gctaagctcc cccaaggtta ttatcattaa atcagaagct    360
ttttgttgtt gtaaaaaaaa aaa                                            383
```

<210> 1393
<211> 468
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(468)
<223> n = A,T,C or G

<400> 1393
```
gcatctggag gtagaagaca gaaaagagac taagagcggg gaatagactc aaccattcta    60
gaatacagcc cggatgtgtt acaggatcct gccctggagt cctcgcgcaa tcaatgttta    120
tgctgtgctc tgctgggctg tgctgggctg gcctgggctg tgctgtgctg tgctgtgctg    180
tgctgtgctg tgctgtgctg tgctgggctg tgctgggttg tgctaggcgg tactaggtgt    240
tgctaggctc ctgccccatc acaaatggtt gcaacaagat tgattagaaa gggtaccatt    300
agattcagct gactggttca attangagaa aggttcatca ctcttaacac atcaaatctc    360
cccctatgtc aatcnttcac ttgacatcaa gggctgggct tctggctcct cttctcttct    420
ctgacattgg ctgngcanaa acatggaact ttngctgttc attaaacc                468
```

<210> 1394
<211> 495
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G

<400> 1394
```
gctcctgatt aagtagaact gagggtctca ctctgtcgcc caggctggag tgcagtggcg    60
caatctcggc tcaccgcaac ctccacctcc caggttcaag tgattctccc atctcagcct    120
cccaagtagc tgggaccacg ggcacatgcc accatgtctg tgtaattttt gtatttttaa    180
tagagacggg gtttcatcat gttggccaga tgggtgtcag gcctctgagc ccaagctaag    240
ccatcatatc ccctgtgacc tgcacgtata catccagatc acctgaagca actgaagatc    300
cacaaaagaa gtgacaatag ccttaactga tgacattcca ccactgtaat ttgtttctgc    360
cccaccctaa ctgatcaatg tactctgtaa tcttccccac cttaaaaang gtctttggta    420
attcttcccc acccttgaga atggtacttt ggngagaatc cacccactgg cccgcaaaac    480
gttgctctta attcc                                                    495
```

<210> 1395
<211> 467
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(467)
<223> n = A,T,C or G

<400> 1395
```
gtaagttctt cataagcang tgcgagaatg ggctaataca ggctcctact ggttctacgt    60
tatgagatga ggtctctccg tgttgcccag gctggtctca aactcctgta ctcaagagat    120
cctaccatct cagcttcccg agcctctggg accacaggaa tgtgccacca tgtccggcta    180
attttataat tttagagatg gggtctatgt tacccaggct ggtctcaaac tcctgggctc    240
aagtgatcct ctgacctcag cctcttgagt agctgggacc acaggactgc accaccatgc    300
ccaggttatt ttattttaga gacagggtct cactatattg cccaggctgg tctcaaactc    360
```

```
ctgacctcaa  agcgatcccc  caatctcaac  ccttcccaag  tcctaggatt  acaggggagg        420
gagccaccnt  gcccagcctc  aacaaagctt  tttgagtatc  tgctctg                       467

<210> 1396
<211> 359
<212> DNA
<213> homo sapiens

<400> 1396
gaccataaaa  cagcctcagg  cgggtacttc  agaaggtatt  ccagaagaag  gcattgagct         60
atcacaggaa  atgatagctt  cgtgtgtcat  tgcccctgaa  gaccttccag  tggacaagac        120
gtggaggagg  aagatagtga  cattaatgat  tctgaccttg  tgcgggacta  ggctagtgtg        180
tttgtgtctt  ggtttttaac  aaaaaagttt  taaaaataag  tatacaagat  taaaacattt        240
aaaaatagga  aaaaagctta  tagaataagg  atataaagga  aaatattttt  gtatagctgt        300
gtaattgttt  gttttaagct  gtgttattac  aaaagaatca  aaaagtttaa  aaaattaaa         359

<210> 1397
<211> 275
<212> DNA
<213> homo sapiens

<400> 1397
gaaagccagc  tgccatgtgg  gtgagtgtca  ggcctctgag  cccaagctaa  gccgtcatat         60
cccctgtgac  ctgcacgtac  acatccagat  ggccggaagc  aactgaagat  ccacaaaaga        120
agtgaaaata  gccttaactg  atgacattcc  accatggtga  tttgttcctg  ccccactcta        180
actgatatga  tatattctcc  cctccacccc  acttaagaag  actcagccca  cctgcaccca        240
ggtgaaataa  acagccttgt  tgctcacaaa  aaaaa                                     275

<210> 1398
<211> 249
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(249)
<223> n = A,T,C or G

<400> 1398
ttgaggaacc  ccaggcttna  ctggaagcag  agcagcaaag  aaggagagaa  gagaagaagc         60
agcttaacat  cagtgagaag  cagcttgact  tcagagggac  ggcttgatgg  cggaatctca        120
gagagagttc  agctggggac  ggccagactc  caggagaaga  tcacattccc  actccattcc        180
ctttccagct  ctccatccca  ctgacagcca  ctttcatcag  caataaaatc  tcctgaattt        240
aaaaaaaaa                                                                     249

<210> 1399
<211> 218
<212> DNA
<213> homo sapiens

<400> 1399
gaaccctctg  aatgtgcatc  tgctgtggga  aagcacaaca  gaatctttgt  tctgccaacc         60
agggatgtgc  acagtgactc  actccaaaaa  tgactccaag  tacaatggtg  ctctctcgcc        120
aattcagaaa  aaaactctgc  aagtgtacat  ttgaagacca  tttttctaaa  ttctgtaaca        180
gattaataaa  tggttatact  aaattttaaa  aaaaaaaa                                  218

<210> 1400
<211> 109
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
```

<222> (1)...(109)
<223> n = A,T,C or G

<400> 1400
cagttcgctc cttcctgata aaaattgccc aaaaggtcgc ttnaaggaat ctgnccacag   60
ctnccccata gaaggattcn tgancagatc aggacactta ccaaatgta   109

<210> 1401
<211> 317
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(317)
<223> n = A,T,C or G

<400> 1401
gatctgcagc acaagttctg aaaatgcagc caacaccaga gtggcccagg aggtgagcac   60
ggggctctga agccagattt gccagagttc caatcacagc ccccagccat cagagagaca   120
gacagagaca gacaaacagg cagagccgca gtgcacacgg tccgtgtgtc ggagaggccg   180
ccaggagact caccgcagca ntgctacgtg aatgcagagg ctggaggtg atgtgactac   240
tcacttgctc ggctaacagc tgccggtttt ggatggaatt attccgcaac aacaagaaag   300
cgtcggttaa aaaaaaa   317

<210> 1402
<211> 391
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 1402
ctgaagcgag actacaatat cccctgctac gtgtaactct tcataccatg tgcctaaagc   60
ttagaatgtg tcattcctga cccccgaccc agtgataatg agcttctgtc aaaaagctga   120
tgtcaagaag tcagatactg cagtaacctg aagcatcggt ttctatcccc gcagcagcta   180
ctaactcact gtgcagacaa gactcgagtt atgcagctgc aaaccaggga acaccaaaga   240
ctgcaagcaa gccaccagaa gcttgaaaga ggagaagaaa gatttctcta cagatcttan   300
aggaagcatg gccttgctga caccttgatt tcagacttct aacctccagg actatgagac   360
aataaatttc tgttgttctg agcaaaaaaa a   391

<210> 1403
<211> 440
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 1403
ggtgtcctcg gcttgacctc atttgtaggt tgaaaggaag aagcgaaagg agggagatat   60
cgaagggcag gagatgctgg gacattggga gtggaatgac aggacctatg cgatctctta   120
ggaagattca attcaccaga aggcttgagg atagtgtgga gaggagacta gaggtaagca   180
gcagagctga ggctgcacaa gtgactcaag gccagaagct ttcccaggtt gtcttgactt   240
aagcttggag gaagtaatct cgtcccgaag ctctccttcc agagggtgca agcatttcaa   300
gactcagaga caccacactg ctcactctgg caagagatga ctgtttggca cagatatcca   360
gaaagaagaa ttcagcttcg gactgtctgc aaaagtaatc tcaaaccaga tggnggtctt   420
ttgctcaaac cctttccaaa   440

376

<210> 1404
<211> 371
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(371)
<223> n = A,T,C or G

<400> 1404
```
gatctgcccc gctgtacaga aagatcaacc agatgatgac taanctcaaa actcatgtga      60
aagccagacn gcctcantca cngaatgcta caatggncct acagtagtaa gctttctacg     120
aatatgatca tagtactcgc atatnactga tatncccgca tcacttcgtg ggggattatc     180
cattactctg atagggact cactctnacn gccnggatng annnctgtng nnnaatnacn     240
tttncntgat tcgtttgcta cccggnttta agtgaccttt ccanttctaa ctccctaagc     300
cntttgtcac ttaacanttg ggntgccact nnacgccgga aaaatttctt ataatcaagc     360
cagactgggc t                                                          371
```

<210> 1405
<211> 579
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(579)
<223> n = A,T,C or G

<400> 1405
```
gccaagacaa tgcaaactcc agngaacatt cccgtgcctg tgctncggct tgccccgggg      60
cccttgatgg ctttcananc gtggggttng nccttgatgg acaccataag ccccctttga     120
ngncagaagg ttnctggaaa tccaggaagt ggtcccataa gcttcangaa ataccttgga     180
atcccaagga agcaagcggg gcacnaatcc gtccctttng ggaagcggtt annttcngca     240
agcctggctg ggccatgggt ggggtcaatc aanggagaag cttttaccgt ttgcaacgaa     300
agggtgttgc gttgtgggcc cnccnacttt tgggaagcca cccgaacctt gggatgnggg     360
gccaactttt tacgtgttga caancttgga nnacctttcc cttaaggnng gggccaaaaa     420
cggnaaggcc gcttgtttc cẗtnttgtaa nnggaaacat ttattttca ttattacccn     480
ttccaagncc cattaaaaag aaaaatttgg ggggtgcaac tttttnntt gcttttgaaa     540
ggcttaaaag gcactttttn tttccccatg ggcctttcc                           579
```

<210> 1406
<211> 488
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(488)
<223> n = A,T,C or G

<400> 1406
```
atgtccaaag tcaaccaaaa aaccctgagg atgctagcta gatgctcaga agccatccgg      60
tatgcgtggc tccttcatag cagacggcct gacagacccc gtgccaatca accttggcct     120
tgaggcctca cgaagttctt aagcgcccac cgcacctgtc ctctttcccc ccatgcgggg     180
ngagatggcc cgggaatgag ccttcccggc agaaaaactt acatctagaa tgcgatcatc     240
actgctttga gaaganaaaa ttttgatcna ccccgagaaa tgagaaaaga aaaatagccg     300
gagctttgtg gggattctca aanattattt tgggccaaaa acaccctgag tacangggcn     360
ttaagtccgg cctttcccna attaacngcc cggggcaaa ttggtnggaa ngnaaactgg     420
gncctttctt tttcntttcc naaaaanggg ccggcctggg ccgccttaaa gggaattttt     480
tttggtgc                                                              488
```

<210> 1407

377

<211> 254
<212> DNA
<213> homo sapiens

<400> 1407

```
cacttctcct tgctgccacc gtgtgaagaa ggacgtgttt gcttcccctt ccaccatgat       60
tgatcccatc aacataactc attaaattta gtggttgtgt ctctttaggc ccttgtttgc      120
catgactgtt aagacttccc ttgctttta tgaccttgac agttttgagg agttctcctg       180
tcatttctcc tcacatattt tgtagaatgt cccctaatcg ggaattatat gatggctttc      240
tcgtgaaaaa aaaa                                                         254
```

<210> 1408
<211> 200
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(200)
<223> n = A,T,C or G

<400> 1408

```
ggtgctttaa ttatgaattt gaaattgccc tggnactann acatcatgct gatgnttntg       60
cctnttggta attagggcan gccgntttgg aangtttnaa tacntangaa tgggcccctg      120
naaaaaaang ncgacccgaa acccatatgg gttaaggagc aacaaacatg catttncctt      180
cttanaccac atagaacatt                                                  200
```

<210> 1409
<211> 566
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(566)
<223> n = A,T,C or G

<400> 1409

```
acgcgcatga aatttggtgc cgtgacttgg atcgggggac ctcccttggg agctcaatcc       60
cctgtcctcc tgttctttgc tcggtgagaa agatccacct acgacctcag gtcctcagac      120
tgaccagccc aaggaacatc tcaccaattt taaatcagga gcttgctaca tgtgccggaa      180
atctggccac tgggccaagg aatgcccgaa gcccgggatt cctcctaagc tgcgtcccat      240
ctgtgtggga ccccactgaa aatcggactg ttcaactcac ctggcagcca ctcccagagc      300
ccctggaact ctggcccaag gctctctgac tccttcccag atcctctcgg cttagcagct      360
gaagactgac accgccgatc gcctcgaaag cccctagac catcacggac gccgagcttc       420
agaaggcagg aaggtcangc ctnttgaacc caaccaagcc atcgcatccc tgtgacttgc      480
acctataccc cagatgggct gaagttaact taaagaatcn caaaagaagt ggatttgncc      540
tgncccncct ttactgatga cattcc                                          566
```

<210> 1410
<211> 210
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(210)
<223> n = A,T,C or G

<400> 1410

```
ttgatagagc caaaccggnt tcagctggaa agcacatctg tacccatagg cccagcctgt       60
tcnttntacn agccaaaaac agnagntgng attcnaagat tgggtcaacc ggctngaggc      120
ctgagntnna agctanaccc atcacnacan cctctnatng tgannggact tttgctagaa      180
```

aaacttgttt tnaagggggg caaaaaaaaa   210

<210> 1411
<211> 200
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(200)
<223> n = A,T,C or G

<400> 1411
gtttctgagg ctgaggtggg aggatggctc gagcccggga agcagagatt gcagngagcc   60
aagattgtgc cactgtactc cagcctgggc aacagatcca gaccttgtct ccaaaaattt   120
tttttcagg tttctaaaga agcanagctc aaacttccct aaaantcttt atcttaccac   180
cctcctctgc taataggaag   200

<210> 1412
<211> 297
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(297)
<223> n = A,T,C or G

<400> 1412
gtcgcaggct ggaaggttgg aatatgccct anatgctgga gcagcgaggt gcgaacgcgg   60
cggcaggaag tttctcgaca cctcagcttc ttgagtagcc gggactacag gcatatgcta   120
ccacgcctgg ctaatatttg tattttttgn agagacgagg cttcaccatg ttacccaggc   180
tgatctcaaa ctcctgagct caagcaatcc tcccaccttg gcctcccaaa gtgctgggat   240
tacagggatg agccactaca gccagtcaat aaaattactt ttaaaagcca aaaaaaa   297

<210> 1413
<211> 473
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(473)
<223> n = A,T,C or G

<400> 1413
gttggtggcg gaatctggtg atttaagaaa acgtgtttaa gcctcggccg ggccgcgcct   60
gggctgtctg cggtgctctt ccggaattct ctacaatatc tggaagtgac caagaaaatt   120
ccagaacccg gaggctgcgc cgtggagata aacatgggca cctgggaagg aactgctgga   180
ccagcagaat gagggccaa cgccaggggc agcactgccc ggccacagag gactgtggcc   240
ccacagatga caccctcagc taccagctcc tgcatctgga agatgaccag gaggaggaag   300
gacggtctgc aagtgttcaa agtgatgttt ccaggccggg cgcccttgng ataccaanat   360
tttggaaggc ttaggcagga aaatcgcttg aacctgggag gcggaggttg cagtgagcca   420
agattgcacc actgctctnc agcctggcaa caaaggaaga ctcctctcat ttt   473

<210> 1414
<211> 436
<212> DNA
<213> homo sapiens

<400> 1414
gtggaggcat tagatggatg agaaagccag atatagaggg ggccatgtgc tgtccacact   60
ggggccgttc tgactgttat aagaggaaag atttgttgca gtctgtgcga agacacgtca   120

379

```
atcagagtgg atttggagag actggaccca cgtctgcact cctgaacttc cctcagctcc    180
catttgcttt agaagagatt gagaatgtct caccagcctg atggaagggt ccagaaggca    240
gctgaatgtt ttctggcaag cactccatgg ccaccctaat cagggtgagg agatcttgga    300
gcgcctcgtt ctacaaaatg aggtgtgcac atgcagagat ggcaaagaac aaccatttga    360
ggcatgggaa aggaaacatt agccaggtct atgcatattc atttttatta ctttctttta    420
aaagtctaaa aaaaaa                                                    436
```

```
<210> 1415
<211> 144
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(144)
<223> n = A,T,C or G

<400> 1415
aacagccagc atcaaccact aaaccacccc aggngaaggg agacttcgaa gcttcataac     60
tgccccagct tntgccaagn ggagcagana atgagttgtn cctgctnaaa tttgcagact    120
catgagcaaa aataaatggt agtt                                           144
```

```
<210> 1416
<211> 472
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 1416
attgagaaga ctgatcagct tccacaggat gagaacgatg accaagaaat atgctggcgg     60
cctctaagaa aatatcgtgt tttgcgaagg acttctgggt cttcaacttg cattcgggaa    120
ttaagactgg acagcaaatg caatccgatg aaagattgac cctctaagag accaaacgac    180
gttgccaaag tctctcagaa tgtggaatat ttgggataca aattctacac tggctgactc    240
cagaacaaat ttcaaagtgc ttctttcaaa atccaaaaca attttcgaaa ttttgaaaat    300
aantnagtcc tttaaacacc agtacctggc ataacttaga cactgaattt gnggaccaac    360
ntagactgng atgatttta acanggtgga gacaatggcn tatttnggtt cattnccatt    420
cnaattttat ccccatttaa ttcctaaggg tcaggtctga ttactaaata gg           472
```

```
<210> 1417
<211> 451
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

<400> 1417
ctataaaact gaagacatgt caatctgctc atgtaaatct tccactcagt aaccttttgt     60
gtgcagcatt tattgaggct gatggcaaaa attgaaacca gcatcatggt attctgaaga    120
ccagagatat gaatctccct catttgacat cctactgggc ctgaatctgt ttcactgcta    180
aagctctgct gccaaaccta tacaagctgc ctccctctag gcccagggc tatcatggaa    240
gaaaatattg ttgaatgtga gcttcctgta ataaccaatt ttatggctca acttgactgg    300
accaaggcac aggatgccca gattggcgga nggcnagaaa gtaagacaaa taacagcttc    360
acctgcctgg nttgttggag caacaagaaa ctttaagaag caatccttca tttgccaggt    420
tccttgggga aaataactgg aaagcttgag c                                   451
```

```
<210> 1418
```

380

<211> 388
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(388)
<223> n = A,T,C or G

<400> 1418
tggcacagtc acagttcact ataaccttga actccgggct caaatagtct tcctgccttg   60
gctttccaga gggtttggat tacagaacaa ttgcaattca atactgggag gacttccaga   120
aggatttcat caaataacaa gcgtgttatt cagagatcca taatgatatg ttcagaccca   180
agtacagaca cttntttgga atgattatag cagaagagaa attcaaaaca aacagctcca   240
tacctgaaaa ggtcaacaag gagggatgaa gaaagatcac tgaccagaaa taaaattggg   300
aggttagacc attaaattat ctggacattt ttaatcctga acttacnact aaggctacag   360
catgcgggnc tgctgtaaat ggcaccca   388

<210> 1419
<211> 261
<212> DNA
<213> homo sapiens

<400> 1419
ggtcccactc tgttgcccag tcgcttagga tgaagtgcag tgtcatggct catcgtagcc   60
tcaacctcct ggggctcaag caatcctcct aactcagcct tctgcgtagg tgggaccaca   120
actcctggct caagcgatcc acccaccttg gcctcccaaa gggctgggat tacaggcgtg   180
agccaccgca cctggcctgt atattgaaat tttctataaa cgtgacaaaa taaagtccaa   240
tgaaagcttg aaaaaaaaaa a   261

<210> 1420
<211> 158
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(158)
<223> n = A,T,C or G

<400> 1420
ggaaactgta ggctcangaa ataggaaaac actgnccgga cttanncang ctgatcnagn   60
taaaaaggcg ggnnnnacca nccctttga gcatgttcag cctggttaag tccaagctga   120
atnggccaat tttttgctt ttnaccttgg agaaaata   158

<210> 1421
<211> 288
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(288)
<223> n = A,T,C or G

<400> 1421
agctacatgg gcgtgaaggg ntggggtagg accatgcacc acactttngg antganttgc   60
cttctcttgc ccccgataac agaantgcca nncttactan cactnngtga cacaggagga   120
tccnaacaga tgtcttgact atcctatgnc gagcctgnga cactcccaag gaaagctaca   180
gtacaagtng gtcattctgg cncgaccctg acggacatga aatttgcttt tgacggggat   240
ntaacatntt ccaancgttc taagatgaat ccaatanggga tccaattg   288

<210> 1422

<211> 213
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(213)
<223> n = A,T,C or G

<400> 1422
ggatgcctcc aagttgtgag aaaatcaagc atctacaana gcaaagggcc acgattgtcn   60
gccnnccact gcncatttct aanttnnccg ncccggaaan ccttcatccc cccatttggt   120
gggnggggg ggccnaaaat tgntncnaaa aagggccant nggggggct ntttcttggg   180
gggggnnaca tccccngtgg tttataaaaa aaa   213

<210> 1423
<211> 489
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(489)
<223> n = A,T,C or G

<400> 1423
cccaaaactg ctaccaaaag tgactaatgg ggcttttact gggggaagat caaccccttg   60
gcatgatcaa aaactgcgga nccccgtgg gtgggtnctg gggccactca aaanaagaaa   120
gcatgtcttt tggggaaggt caaaatnaac ttgatttggg ccaaaaaagn nggcccttg   180
ctcttggcna naagggactt ccgagttaat tccctgcat ttggggggan aaaaccttta   240
ttnaaaaagg gaaaccctng gcccttcccc tttngaaaan gtttgntntt tttcaaccca   300
aanncnaang gtgtcctnnt tcaaaatnna aaccttaan annaccccng gaacccaagg   360
ggcctccccc tggcccttt anaaaccctg ggggggggcn ccntttggnt cccntgnccc   420
aagaaatggn nanccccccc nacnnanggc cccggggaat ttcccccccaa aaaaacttcc   480
cccaaggaa   489

<210> 1424
<211> 102
<212> DNA
<213> homo sapiens

<400> 1424
agctaaatta ctgcaggaag caaaaagtca attcattaat aaaagcccaa agagaagtct   60
taagaaaatg aaccccggga agatgaaaga aaacccggtt tt   102

<210> 1425
<211> 473
<212> DNA
<213> homo sapiens

<400> 1425
gggctccctg cacaggacgc accaaggcat cctcagccaa gtgcccacgg tcgtgccagc   60
tcgggtcaaa ggctgctgtc acatcggggc ttctgactgc accattgcgt ctcgacaatg   120
gccatcggac caggtcttg ctccgttgcc caggttggag tgcagtagtg tgatcacaac   180
tcactgcagc cttgacctcc cgggctcaag agatcctcct gcctcagtct cctgagtagc   240
tgggactaca tgtacgtgcc tcaatgccca gttttaggac tcgagaagac atctggcctc   300
ttctgtctcc tgcattgaca ccgcctgtgt tcaggatttc atcaccaccc accagaacga   360
tttcaaaaac ctcaatgcag ctcctattct ctggagtctc ctgactacag ttcattcttt   420
acactttttga aaaaagagca aacctttcac ccattgcaat ttcaggtatt ggt   473

<210> 1426
<211> 102
<212> DNA

<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(102)
<223> n = A,T,C or G

<400> 1426
tgttttctcc atcagatact ccatgaaagg gcacaatttc tcttgatatt aaactggggt   60
ggcttttaac aaanccttaa accccgtttt gtttaccccg aa   102

<210> 1427
<211> 418
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(418)
<223> n = A,T,C or G

<400> 1427
taaatcctgc tgctgctcac tctttgggtc tgcactgcct ttatgagctg taacactcac   60
cggaaggtct gcagcttcac tcctgaagcc agcgagacca tgaacccacc gggagaagag   120
aacagtgctg tctttatgag ctgtaacact gtaacactca ctgcaaaggt cgaaggtctg   180
cggcttcact cctgaagtca gcgagaacat gaacccacca gaaggaagaa actccggata   240
cacctgaaca tcagaaagaa taaactccgg acacaccatc tttaaaaact gtaacactca   300
ccgcgagggt ccgtggcttc attcttgaag tcaacgagac caagaaccca ccggaaggaa   360
caaatttcgg acacgatagg aaatctctaa ggnggaatac tatatcaaaa catacaga   418

<210> 1428
<211> 415
<212> DNA
<213> homo sapiens

<400> 1428
gaccccactg gaaatcggac tgttcaactc acctggcagc cactcccaga gcccctggaa   60
ctctggccca aggctctctg actgactcct tcttggctta gtggctaaag actgatgctg   120
cccgatcgcc tcggaagccc ctagaccatc acggatgccg agcttcagaa ggcaggaatg   180
tcaggcctct gagcccaagc caagccatcg catcccctgt gacttgcacg gaaaggacca   240
gaaggcctga agtaactgaa gaatcacaaa agaagtgaaa aggccctgcc ccgccttaac   300
tgatgacatt ccaccattgt gatttgttcc taccccacct taactgagtg attaaccctg   360
tgaatttcct tcttctggct caaaagctcc cccactgagc accttgtgga accgg   415

<210> 1429
<211> 532
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(532)
<223> n = A,T,C or G

<400> 1429
taaatcctgc tgctgctcac tctttgggtc tgcactgcct ttatgagctg taacactcac   60
cggaaggtct gcagcttcac tcctgaagcc agcgagacca tgaacccacc gggagaagag   120
aacagtgctg tctttatgag ctgtaacact gtaacactca ctgcaaaggt cgaaggtctg   180
cggcttcact cctgaagtca gcgagaacat gaacccacca gaaggaagaa actccggata   240
cacctgaaca tcataaagaa taaactccgg acacaccatc tttaaaaatt gtaacactca   300
cccgcgaggg tcccgtggct ttcattcttn gaagtcaacc gagacccaaa gaacccaccc   360
ggaanggaac aaagtttcng acnccaatan ggaaaanttt ttaagggggg ggaantactt   420
attttcaaaa agaagagaaa ncccaaaant ggaatatcca ttacccctgg aaaaatggtt   480

383

taantgggaa ttnccccaac cctttgcctt atttaaaaac tccacaagtt tg   532

<210> 1430
<211> 578
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(578)
<223> n = A,T,C or G

<400> 1430
gtttatttat tataccatca agacacctga aacctcatca tgagccagat gccaaggaag   60
agattccggg aggatcccaa agacccctg gttgcagcca tgtcaaggct gatgctgagg   120
aggaccacaa ctgtcacaag caacacctgt tgaacacagc cacccacctg gggacagatc   180
aagaagctgt cacagatgat ggaagaaaac ctgaggaaag cgagacaacc agtcacatct   240
gcagatgtgg atcctgactc ctgggagaag tagctcaccg tgacaaaact gctttgcttt   300
tattgatttg caaatcaaag aaggggggaca tgttgggaac aaagcccccc ccccaaaaat   360
ctgggcataa actggccaaa aactggccat aaacaaaata tctgcacact gtggcatgtt   420
cacgatggcc ataatgcccc cccttggaag gnggngagct ttccnaaatg agggcaaggg   480
acaccttggn cccnccangg cgggaacccn ctttaanggc ttntttaanc ccttaccntg   540
agaaatctgg gccttaaaac attcttcttg ctggaggt   578

<210> 1431
<211> 312
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(312)
<223> n = A,T,C or G

<400> 1431
cccaagctaa gtgatcatat cccctgcgac ctgcacatat atatccagat ggcctgaagc   60
aactgaagaa ccacaaaaga agtgaaaata gccagttcct gccttaactg atggcattcc   120
accactgtga tttgttcctg cccacccta ctgaccaatt gaccttgtga cattccttct   180
ccggggcaat gaatctcang agctccccac caaagcatct tgtgacccccc actcctgcca   240
caagagaaca acccccttta actgnaattt tncactacct acccaaatcc tataaaactg   300
tccacccatc tt   312

<210> 1432
<211> 553
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(553)
<223> n = A,T,C or G

<400> 1432
aatttcttgg tggtggggtg gcgacttttc caaaaccagc tttttctttg agcctgtatt   60
ttgttgcacc aatngtttaa gganaactgg acttttgcnc aacttgcttt tttgccactg   120
gtcctttgga aattgcttgg agggagtatt atattttttc naaccagtat tttgaaccag   180
tattgccaaa gatcnnaaag ggaatttaaa agaaaaagat gcaagntggt cccaagaaat   240
cannaagaag aaagaaaaag ttaatactac atggaagtaa ggcctggcgc cagtggctca   300
cgcctggtaa atcccagcac ttttgggaag gccaaggccg ggttggatca aggtggtcaa   360
ggagttcaag aaccagcctg ancaacatgg ngaaaaccct tgtntttctt aaaaatccaa   420
aaattcaacc aagcnttggn ggcatgcgcc tgtaatncca acttctttgg ggggcttaag   480
gcangancat cactttgaac cttgggangc aaaggtggc aatgaattna aaanaaccct   540
tgttggactt caa   553

<210> 1433
<211> 605
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(605)
<223> n = A,T,C or G

<400> 1433
```
ccacttcagc ctcccgaatc gccaggacta caggtgcctg caattgnacc cagctcggga    60
cacaattctt acattttctt ttctttnctt tattttttg aggcagagtc tcgctctgtc   120
acctaagctg gagtgcagtg gcatgatctc agctcaatgc aacctccgcc tgccagggtc   180
aagcaattct cctgtctcag ctctgagtag ctgggattac aaacgcccac caccacaccc   240
ggctaatttt tgtattttta gtagagatgg ggtttcgcat gttgggctan gctggncttg   300
aactcctgac ctcagatgat ccgccgcctt ggcctncgaa gngctgggat tgcaggcatg   360
agccaccgcg cccggccaat tnctacattt tgaaagcatt ttacgttttc atatncatca   420
tcttcttaga aataacatct ncttcagctg agcccagtat taaccttcgc atgacccatt   480
acctgccgng ctgngnctga taaacccaac tcttggggca gagactttg ntggttnttn   540
aacaccaagn gcaaagggcc caaaaaaaga anggggggga accaaanacc ttgatatttg   600
ggagg                                                                605
```

<210> 1434
<211> 266
<212> DNA
<213> homo sapiens

<400> 1434
```
gaggcatgag gagacgaagt ctcgctctgt cgcccaggct ggagtgcagt ggcatgatct    60
cggctcactg caagctccgc ctcctgggtt cacgccattc tcctgcctca gcctccctag   120
tagctgggac tagaggcatg caccaccacg ctcagctcct cccaaaatgc tgggattaca   180
gacatgagcc accgcacccg gccgcctctc tcttttacta accacaggga ttcagaaaat   240
tcttcctccc tcggggcaaa aaaaaa                                         266
```

<210> 1435
<211> 158
<212> DNA
<213> homo sapiens

<400> 1435
```
ggtgaggaca cacgcaatcc tccagaggat gcagcaacaa gacaccatct tggaagcaga    60
gcagccctca ccagacacca aatcggccag cccattgatc ttagacttcc cagcctccag   120
aactatgaaa aataaatttc ttttgtttat aaaaaaaa                           158
```

<210> 1436
<211> 283
<212> DNA
<213> homo sapiens

<400> 1436
```
ggaaagaagt tcacgcagcc ttcaagacgt aaaccgacag ctgtggtttg ttctgcaact    60
gcagaactgc ctggagacca gagctgaaaa tcaccgtgga aataatctgg tgtttcagtg   120
gaggaccagc agcagctgag cggacccagc ctgaggtgca ggttcccctt tgccttccac   180
catgaatgga agcagcttga ggtcctcatc agaagcagat gttggcacag tcttcttgta   240
cagcctgcag aagtgcaagc caaataaact tctttataaa tta                     283
```

<210> 1437
<211> 190
<212> DNA
<213> homo sapiens

<220>

<221> misc_feature
<222> (1)...(190)
<223> n = A,T,C or G

<400> 1437
cacgggctgg atgacatcac tgctactgga ggactctgct ggccntactg naggatcaca   60
aggctcgnga tcatcactgg aggagatggg ccgaggngtc aatatcttct antanggncc   120
tgtgtccctt tacttcttac ctnccntctt tccagggctt tnaaaaggng annnncccaa   180
tgcccccaa   190

<210> 1438
<211> 458
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(458)
<223> n = A,T,C or G

<400> 1438
gctccacctc taacaattcg ttgtgaaatt tcggcgagga gaaagatcca agttatatca   60
catatgtaac ccgaaggtgg agtctcgctc tgtcatccag gctggagtgc agtggggtga   120
tctcagctga ctgtaacctc tgcctctcag gtgtcaggcc tctgagccca agctaagcca   180
tcatatccct gtgacctgca cgtatacatc cagatggcct gaagcaaatg aagaatcaca   240
aaagaagtga aaatggccag ttcctgcctt aactgatgac attaccttgt gaaattcctt   300
ctcctggctc aggagctccc ccactaagca ccttgtgact cccacccctg cccgncgaag   360
aacaaccccc tttgactgta attttccatt acctacccaa atcctacaaa atggccccac   420
ccctatctcc ctttcgctga ctctcttttc agaacgat   458

<210> 1439
<211> 395
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(395)
<223> n = A,T,C or G

<400> 1439
tttcaacaac ccttangaag ctgactcagc tgtctcctgg ccctgacttt tctaaganga   60
gaggagctga tnggaacaan ntgggaacnn ttgctggntg agcnaatann aaggncgaga   120
gngatgaaga ntnctggnta nngtancatg gncttttca nnanngntgg ngtgttntgg   180
ccctttgnca actcattgga acntgtgcnt gntggctcag actctggtnc agnctcagnc   240
ttacgngtag ctggggggggg gggtgcccac caccacactg ggtaatttt ggataaaata   300
aataatttt ctaatgctta tcctgaatct gaatttgggc ttcaagctgn gaggtcacaa   360
gnagcaaaac tactgggcag atcaactggg tatga   395

<210> 1440
<211> 308
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(308)
<223> n = A,T,C or G

<400> 1440
tgaccatgcc gattggaacn tgggcaacan cctnttcntg aacacctgct gctgggctta   60
atagcatttt tctactccgt gaagnctagg gacaggaaga ctgttttcta ngtgaacnng   120
ngctacaggt ctatgccttc accgccaaag ggactggaac atctgggcca tgattttggg   180

386

```
cannttcatg accattctgc tcattnnaan accaanggtg gttggttccn gncccttgga      240
nagaanggga agcccccatt tnggccaggn gctntttncc gggncctgtt tcccacggaa      300
ctgatttt                                                              308

<210> 1441
<211> 374
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(374)
<223> n = A,T,C or G

<400> 1441
gacaatggcc attgccatgn tgcagganct gatcngnctc atctgctngc atgtatncaa       60
acganagacg ggagccgaag ctcaatgaca atgnnacntg cctactgcct gtatattgct      120
tgacgatgat ggggaggtng acacccgagt tccaccctnt ngattnctnt gaggccantc      180
atacgttngg ctncantact ntnggccctg gttgaaaagt actcntctcc tggtgtgnca      240
tccaaagagg cncttttttt ttcaataana aggcgggcca tggattnntc ccttattnan      300
gggggcaacc caaaggttac catgaaggaa atcttnctga aggcantgaa gccgangaaa      360
aggatcccag aatg                                                       374

<210> 1442
<211> 288
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(288)
<223> n = A,T,C or G

<400> 1442
atttctatca cagctccatt tnnagcacag agttcaaccc atggatgtcc taccatggac       60
gggactaggg ccagcgagga gatattattc agcacaagtc tggactcaag cgctccaccc      120
gacagcctgg acagtgtgaa ggctgtgaca gagcgctatc gaagctggaa acgcccagga      180
tccatggccc tgccagtcaa cacatgggna ataacgctgn tgactgtcac caccannact      240
accatnggca cccgtttcca nggntgacag gaagaaggaa ccctttaa                  288

<210> 1443
<211> 461
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(461)
<223> n = A,T,C or G

<400> 1443
caaggaggag ccccaaggtg ggttgggctt ggggccgcc cnaaanccnt gtttcccnna        60
cgtgcnaccg tgatcaacat tgccctccga gacctcccgt gccccaacca atgtcgtctg      120
gtccnctgtt caaacancct tcttcatgaa acccctgctt gcctgggctt cattaggcat      180
ntctctctac ttcangtgta aggtctangn gacatgaaa gatggnttgn cgaatgttga       240
ccgggggccc aggcctatgn cttnancncc nagtgcangg acatctgggc cctgattctg      300
ggcatcctta agaacattat ggttatgnnc tanacccagt ggtggtttta aaggctnttg      360
ggataatttc ggggggttta ttgggggcnc ggaggctctt gnccatgaac ctgntantcc      420
caacgtaact tccaactttc atttcnttgg ccctggcccc c                         461

<210> 1444
<211> 334
<212> DNA
```

387

<213> homo sapiens

<400> 1444
gatgttcttc caagctgctg gacacccatc ccacaaaagt ttgcaggtca caggatcctc   60
attccagagg tgcccgcccc atatccagag gaaagaaaca tctttaactc tgaagacaca   120
gggatacaga agaatctgaa caaacagcct tgctaaattc tccccagttt attcccatta   180
gatcacaccc actttatcca attatatttc tccatgactg tccagtcttc ctcaaactta   240
agcataaaaa tatacaaagt ttacctattt ctttaggtct tcaatttctc ataaagtctc   300
ctgtgtcatg taaaacttat attaaataga tttg   334

<210> 1445
<211> 333
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(333)
<223> n = A,T,C or G

<400> 1445
tggtgtgctg gaacttncac gtnggacttc tggattncta canaagaact accatctgaa   60
agnactgnta aaaatccatg cttctgtgga nnaatgatga tataaagcng ctattatgcc   120
atcttgctaa catcactctt tcacgttact ngnngaggaa tattnctntn tactanaaaa   180
ctacnatgtt ttcttggaan aaggggaana aattgttttc ancttgacca ncaatgngga   240
tttggccccn ccnaaaagaa antgganatt tcccagaagg aaaacatnga tttttcana   300
aaaaataatt taaacttgcc tcgaaaacag gaa   333

<210> 1446
<211> 411
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(411)
<223> n = A,T,C or G

<400> 1446
cccacctgca cccaggtgaa ataaacagcc ttgttgctca tacaaagcgt gttgctggac   60
tctcttcaca tggacgtgcg tgacatttgg tgccgaaacc tgggacagga ggactccttc   120
gggagaccag tcccctgtcc tcaccctctg tgaggagatc cacctatgac ctcaggtcct   180
cagaccaact aacccaaggg acatctcacc aaattcaaat cggacaggaa tgtcaggcct   240
ctgagcccaa ctaagccatc atatcccctg tgacctgcac gtatacatcc atatggcctg   300
aagcaactga agatccacaa aagaagtgaa aatagccaat tcctgcctta actgatgaca   360
nttcaccant tcctggccca ccctactgat caattgactt tgtgacaata c   411

<210> 1447
<211> 285
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G

<400> 1447
actgggcaat ttacgaanga ancgagattt attggactta cagttccacg tggctngagg   60
aggcctccaa ncntggtgga angtgaaang catgtctcat atgacggcag acaagagaag   120
agagcttgtg caggcaaact tcccacttta aaatgatcan atntcatgag actaatnncc   180
antncnaaaa ccacncccgg aaagacctgg ccccctgatt caattttttc ccctgggtcc   240
ctnccccaac acatgggaat tcaagatgag atttggggggg ggccc   285

388

<210> 1448
<211> 557
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(557)
<223> n = A,T,C or G

<400> 1448
ctgactggtg gtggagaaca catttgcaga cagcctgatg gacacatgcc cttggcagtt   60
gggaggatgc tgatgaccat ccgaattcca gaggcagaga acagttacca tggctaccaa   120
aagttgtagc cattggctgt tctggctaca aggactcagc tgacctctca aggtcccttc   180
cagccctggg attctacagt tacctcaagc cagctgacac catgtctgct gcaagaaaat   240
agggctcatg agaagtgcct cagaggtcac cttgccttat tcattggaag tgttgagtca   300
caggcctact ttccaccttg gctgcatcat taataaccaa agtcttgctt tttttggcat   360
agcatttta taccttttat aaagtgagtt tgccactacc acttttctc ttccttttac   420
agctcaagcc agtaattttg acagaagttt gtcctgtatt gtggccaggg agcaacccaa   480
aaaaactgcg tcactaagcc caagtggggg tgggctncat cagacagaat gtggngtcac   540
gaaccttcta agaatca   557

<210> 1449
<211> 232
<212> DNA
<213> homo sapiens

<400> 1449
aaccctgcca catcatgtaa acaatcccgg actagcctgc tggaggaaga tagactgtgg   60
aacagaattg agttccacaa ggctccagag acatgagaga acccaactga gatcagcaga   120
gcagctacct cacccatggc tgaccacaga tgtatgagtg tgtccagaag aactttctgg   180
tggccccata ggtttgtgaa caataataaa tgcttatcat tttaaaaaaa aa   232

<210> 1450
<211> 463
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

<400> 1450
tgttccaaat gaaagaccct ngagggnaga ccctcantca nacactcaag tcccgggaca   60
gccgcgtacc caagaagaca ctgagaccat acataaaatg tanaagatgc catcnaatta   120
aaatgaantn atactggaaa ggaagaagga nggacntcct aaacccnata tgattgacnt   180
angaanaaga gaagaagaga cacagacaca cagggaaaat accatgtgat gatgaaggca   240
gagattggac tgatgcatct acaagccagc aaacaccang gattgctaat aaccaccaga   300
tgctggaaat ggcaagggaa gatcctcccc tggtgccttc caagagagca tgatctggct   360
gacaccttga tttcagaatg gtagccacta taactgngaa ataacaaatt tctgttggtt   420
tatgcccct agtttgnggg ggctttgtga tggcaagccc tta   463

<210> 1451
<211> 510
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(510)
<223> n = A,T,C or G

389

<400> 1451

```
ccttggagat catggatntt agacnagaaa taaagccaca cacctacaac catctgacct      60
ttgacaaagc tgacaaaagc aagagggaaa ggactctatt caataagtgc taggataact     120
ggctagccat atgcagaaga ttgaaactgg accccttctt tataccatac acaagaatca     180
actaaatgat tgaagaccta aacgtaaaac ctaaaactat aaaaaccgta gaagataacc     240
tagaaaatac cgttttggac atacgaactg gcaaagattc caaaacaaaa atgccacagg     300
caattgcaac aaaagcaaaa attgacaaat gagacctaac taaattaaac taaagagctt     360
ctgcacagca aaagaaacta tcaacagggt aaacaggcaa cctacagaat gtgagaaaat     420
atttgcaaac tatatatcta attcatattt attataagtg catgtttacc tgtatctncc     480
aatcattgna ccctacacct acccagattg                                      510
```

<210> 1452
<211> 355
<212> DNA
<213> homo sapiens

<400> 1452

```
ggctttactc tatggcccag gctagagtac agtgctgtga tcttggctca ctgtaacaac      60
cttcacctcc gggactcaag caatcctccc acctcggcct cccaagcaac tggaaccaca     120
gagtatggag ctagataatc aataaattat tttggtggtc aagagtacat taaaaaggat     180
catctatctc ttgtcaaact tttacatgag ataaacgaaa tgatgaagag ctcagtatac     240
tccagatgtt gcttagtgct tggagacttt ggctacaaat tcctttaaaa tggattccaa     300
gtcttctgtg taaggacata tttagaattc caaaaggaag aggggaaaag aaaaa          355
```

<210> 1453
<211> 510
<212> DNA
<213> homo sapiens

<400> 1453

```
gaaagtctct ggctgacaaa caattgcctc ctcaaatacc aagctttgct gctaaaggga      60
tctgcagtcc agctgaaaac ctgcccttgc ctgagcccag ccactttctc ccagagaaaa     120
ctggagaacc taaacatgat tgtgaacaga aaccatcaag cttcagatgg tgctgaaaat     180
ggagccgaaa atgaaactgt cctcctacga gggaccctta aatcaacccc aggaggagcc     240
ctagctgctg ttccccacac aacgccactc tccagcagga agtagccaga agaaatcgtc     300
acccagtttc ccctagcagc agcgcagtaa gattgaggag ctaaaaacag acttgggcgg     360
atgtctgcag ctgcaagaag atgtgtggga acagacacag aaactctccc tcccagataa     420
gcaagacaaa gaaacacaga ataagagtcc atctatgtgg tcagagaatg ggataagagc     480
tgatttaaaa aaactctgct ctatatagaa                                      510
```

<210> 1454
<211> 456
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(456)
<223> n = A,T,C or G

<400> 1454

```
ctcttcacat ggaccgagcn agacatntgg cggccnaaac ctggnacagg angactnctn      60
tggganaaca ctntantgtc ctcacncttt gtgaggagag ggngccnatg anctaagnct     120
gttngaccat ctancccaan gaacanttca ccnancnctt atcngacngg aangtnannc     180
atttgagnct aactaacnca tcntatgccc tgngacctgt acgtatacnt gcatatgggc     240
tgaaccnact gatgatccac aaaagaagtg gaganagcca attcctgcct taactgatga     300
cattccacca ttnctgccca ccctaactga tcaantgact ttgngacant acaccctncc     360
cggccttggg ataatgnact cactgatatt gccccacnct tgagaatggt ctttgtacaa     420
tacacccttn ccaaccttgn gaaaggactt ttgtta                               456
```

<210> 1455
<211> 383
<212> DNA
```

<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 1455
```
ggtgtccggt ggagagctgt ttgaccggat agtggagaag gggttttata cagagaagna   60
tgccagcact ctgatccgcc aagtcttgna cgccgtgtac tatctccaca gaatggccat   120
cgtccacaga gacctcaagc ccnaaaatct cttgtactac agtcaagatg aggagtccaa   180
aataatgatc agtgactttg gattgtcaaa aatggagggc aaaggagatg tgatgtccac   240
tgcctgtgga actccaggct atgtcgctcc tgaagtcctc gcccagaaac cttacagcaa   300
agccgttgac tgcttgntcc atcgnagtga ttgcctacat cttgctctgc ggctaccctc   360
cttttatga tgaaaatgac ttc   383
```

<210> 1456
<211> 410
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(410)
<223> n = A,T,C or G

<400> 1456
```
gtgcctccta tactccttga taagcaagtt ctctgaattc actccagaca ttacaccaat   60
cattttggca gcccatacaa ataattatga gataataaaa ctcttggttc agaaaggagt   120
ctcagtgcct cgaccccacg aggtccgctg taactgtgtg gaatgcgtgt ccagttcaga   180
tgtggacagc ctccgtcact cacgctccag actcaacatc tacaaggcct tggccagtcc   240
ctctctcatt gcactgtcaa gcgaagatcc ttttctcaca gcctttcaag ttaagttggg   300
aacttcagga actgagcaag gtggaaaatg aattcaagtc ggagtatgaa gagctggcac   360
ggcagtgcaa acnattttgc taaggaccta ctggatcaga cgagaagttc   410
```

<210> 1457
<211> 557
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(557)
<223> n = A,T,C or G

<400> 1457
```
aatcaagaat gattgagaat aggaacggct caagacgttc acaactaagg ccatgaatag   60
ctaggaattc cctttaagag caaaggtttt atcatcagac agacctactt gcaggaaatt   120
tgaacacagc cacatacagg aggaatatga tgtgaagaca aagggagaag acagccatct   180
ataagctaag gacatggacc tggaacacat ccttccctcc cagccctcag acagaaccaa   240
ctctgtagat caaccaacac cttgactttc agcctccaga acttcgataa ggaaaaagat   300
tgacaaaaga aactataagc aagcatgctg ttttgagtcg ccggaggata gagacggccc   360
aagaagaatt tcaagagaac tgctaatgag aaaccttccg tggtgagact tgaactgnca   420
agctattccc ccaggctcct cgggaacatc tcataactaa tcggacatt ccatcaagac   480
cacatgcaca gggccacagc ctagacagca gagcattcaa acccgcccaa agnaaaatgg   540
tgagggcaat aaataaa   557
```

<210> 1458
<211> 493
<212> DNA
<213> homo sapiens

<220>

<400> 1458
```
gaaatatgac tggaaaatgt cttgaagtgt catgaaagct gaagaggaaa gttaaaatta   60
atctaagagc acaccaaaca ggaacagcaa gtattgaaga tgcctgccct gtttccagaa   120
catcaatatt atttcacatt tctgttgtgt gattaacttt acaaaagaaa ttgctatccc   180
tcctggaatg taagagccat gaacaggaat cttttactct ttgtcacgga tgtattttga   240
ggaccgaaaa gagtgcctgt gacataacag acactcaata aatatttgct gaatggctat   300
ttgataaatt ggataaatca acatagaact gtccccaaaa agagtaacca tgaaaaaagc   360
agtcttcatt canaaagggc cggnaagaaa aggggggctt aaatttacac ctttaaactg   420
gaacattaag ggactttcat tggaagtaat caaggaacaa ctcgacccac ggagaccaga   480
gcaaatcaag gca   493
```

<210> 1459
<211> 122
<212> DNA
<213> homo sapiens

<220>

<400> 1459
```
agggtatggg atgaggagct ggaaagngat gagaaggtat tcctngnttn tcaaaanana   60
ccccctncga ctcnnagttc gtacaagctg acntntctca tanactcaca cactcaggag   120
ga   122
```

<210> 1460
<211> 214
<212> DNA
<213> homo sapiens

<220>

<400> 1460
```
tgacctgggc tcaagtcang gtccttattt ctctgtgtgc atgngagtgt gtcagncnan   60
ngggnccgtn tacgnttngt gtaccgagcc ctacgataga cattttnagc cnagaagaan   120
actttgcttc atcataatct ccatcacatt taccatcttn tgtnccaaga ttttgcanta   180
tgaacataat gntctctact gtccaggatc taat   214
```

<210> 1461
<211> 231
<212> DNA
<213> homo sapiens

<400> 1461
```
aaccctgccc atcatgtaaa caatcccgga ctagcctgct ggaggaagat agactgtgga   60
acagaattga gttccacaag gctccagaga catgagagaa cccaactgag atcagcagag   120
cagctacctc acccatggct gaccacagat gtatgagtgt gtccagaaga actttctggt   180
ggccccatag gtttgtgaac aataataaat gcttatcatt ttaaaaaaaa a   231
```

<210> 1462
<211> 409
<212> DNA
<213> homo sapiens

<220>

<221> misc_feature
<222> (1)...(409)
<223> n = A,T,C or G

<400> 1462
tccagagaaa aaagccatgt gaggacacag tgagaagctg ctatctgcaa gctgagaaga      60
gaaacatcac tagaaaccat ccctgctggc acttgatctt gactttcagc tttcagaact     120
ttgagaaaat aaatgtgtgt cgcttaagcc agttcatctt tagttatttt gttatgtcag     180
cctgagcaga attagacaaa tactaatagt aaactataag gtaaactgta ggctttgggt     240
aatgaccgtg tcaatagatt tatcaattgt aacaaatgta tcactgtgat gtgggacatt     300
gatagagcag gatgttgtgc atgtgtgggc tgnggggaa ccaaacatat atngggaatc      360
tcttaacatt ctattgaatt tttctaagaa cttacaactg atctaaaaa               409


<210> 1463
<211> 221
<212> DNA
<213> homo sapiens

<400> 1463
gccctagaaa caagaaccaa tccagcagca acaagcatct ctggcagtct atcatttccc      60
ttcaactgaa atcagatctt cttaaagaaa tgcttggctc tcagactggg aacggaaatg     120
tacaagatgt gcttcgatat ctggtcaaat cagaaactca aaaagctatc aaagtctctt     180
tggactgtgt cagaaagagg tgaaaagact cccacttgcc a                        221


<210> 1464
<211> 650
<212> DNA
<213> homo sapiens


<220>
<221> misc_feature
<222> (1)...(650)
<223> n = A,T,C or G

<400> 1464
caggagggag ggattttngt tcttcaattn gtgggagtgg atctctatcc accagtngac      60
taaagatgtt ggagcacaga gagccatacc ccaaaatatg atgcttcggc atgctgactt     120
gctttgaaaa ttgaaaggcc tcagaaataa tcctcagtgc cagggtctcc ctctgacctc     180
cccctacctc cctttctctc tgatcctgtc tctcccaaag cacagaatga agctgttctc     240
tgaattccct tatctaccta gaaactggac ccccaaagag ggacacaatt tgcctttgat     300
cccttccctg aaatttcatt aaccagagaa aattaaaact tctatcacaa aggaagagac     360
tgaacattaa acaccatagc tacagcccag acaaacttct tcccaaacca ttgtttgttc     420
tcctgcctgt taattgccag agaatcattc acaagataaa gtctgccttc tgggtccatt     480
cattccccac taaaaatctt ttactcctac accttatgt ctccttnctc ctgaagaaag      540
ggnctataaa cctctangcc tcattgggna ttgggnaatc attctcatgc agntcccctg     600
tgctctgnat gttaaaaaaa ttgnatgcct ttttctccta aaaaaaaaaa              650


<210> 1465
<211> 364
<212> DNA
<213> homo sapiens


<400> 1465
aagaaacaat tcaacggagg ggcagaaggc agaaggagag accaaggtgt ggtcacatct      60
tggtcttctt ttctgtgatg gagaatgcaa taaccagaag gaaaggagaa caactgttct     120
tgggcctttta acgaggtaat taaggttgaa tgacatcata aagggaatc cctcatccaa      180
tatgactgtt gtcctaatac aaagaggaag agtcaccagg gatacatgtg cacagagaaa     240
aggccatgtg agaaggcagc catctataag ccacggagag aggccttagg agaaatcgat     300
ttagctggca ccttgatctt ggacttcctt tctctctaac tgtgagaaaa taaatttctg     360
tttt
                                                                      364


<210> 1466
<211> 216

<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(216)
<223> n = A,T,C or G

<400> 1466
ctgcacaccat gaatcacagt ggaattctcc aaatggaatg cagccacacc tcagcttctn        60
tgcttcatgc cctttttgagc aacgttcagc cnnnttaagt ncaagctgaa ttggatgaat       120
acttnnnttn ttaccctgca naaaatnntn ataagccacc tctgttattt accccaatc        180
ttcacaagga aaaactgtan ttctccttta actctt                                  216

<210> 1467
<211> 184
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(184)
<223> n = A,T,C or G

<400> 1467
gtgacaagcc agcttctgca aagtaaatga tggcaagtgt cctacgtgac aagcagggca        60
acaagataga aggaacctct naccgaatga ccatgccttt tgagcatgtt cagcctggtt       120
aagnncaagc tgaattggcc aattctttttg ctttttaccc tggaagaaat actcataagc     180
cacc                                                                     184

<210> 1468
<211> 232
<212> DNA
<213> homo sapiens

<400> 1468
aaccctgcca catcatgtaa acaatcccgg actagcctgc tggaggaaga tagactgtgg        60
aacagaattg agttccacaa ggctccagag acatgagaga acccaactga gatcagcaga       120
gcagctacct cacccatggc tgaccacaga tgtatgagtg tgtccagaag aactttctgg       180
tggccccata ggtttgtgaa caataataaa tgcttatcat tttaaaaaaa aa                232

<210> 1469
<211> 537
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(537)
<223> n = A,T,C or G

<400> 1469
gggtccctgg gtaaaatgct tttctcactg ggcaagctca agtcaagcaa acaaagacag        60
ccttgtaagc agcatcctcc aggaaactac cataaagtag agacggggtt tcaccatgtt       120
agccaggatg gtctccattt cctgacctcg tgatccaccc accttggcct cccaaagtgc       180
tgagattaca gacatgagcc accacgcccg gcctggagcc catattatta aagataactc       240
acacagaagc caaataaaca cagtcaaata tacagctgct tctgctgtaa acatgcagaa       300
ccctgatgta cagaaatctc atgaaaggat gaccagcacg tccttggagt ggaagcctgc       360
caaacgaggt tagaaataag tgaggcctga tggagagatt caaaggaaga caagagtcca       420
gcgaattcat gtgtcctgcc agaatgaaga gaggatgact cccattctaa tgggctccag       480
agaaganggt gaaggtacag agcaactctt taatttcatc aaataaatgg ctttgca         537

<210> 1470

<211> 365
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(365)
<223> n = A,T,C or G

<400> 1470
```
gaacaatgtc atgttgatcg atggcagttg actcacacca gnatctttcc accttttgag   60
ngaagaggnn tcntgagnnn gtncannntg aangggccan atcttnatga attgaggacc   120
aatggagcta atatccncac atagagcgaa cagggntgga ttaatgccgg ctacagtcac   180
tgggtcttta cnttttaact tgcttgattc ggaaaacatt ccaagccagg aacaagtggc   240
tcacacctgt aatcccagca cttttgttgg gggcncaaag gccagggtgg gatttgctcg   300
aagcttcagg ggagttccga aaccagccct gggccaacct nggcaaaaac tctttatctc   360
tactt   365
```

<210> 1471
<211> 123
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(123)
<223> n = A,T,C or G

<400> 1471
```
gcatttgcac ataataaatg gtcaatagag attcaccaag ttgaactgaa tgttgtttgc   60
anggaggaag gattggttcc acaagtgtca aagtcctttn gagctgttca gcctggttaa   120
gtc   123
```

<210> 1472
<211> 232
<212> DNA
<213> homo sapiens

<400> 1472
```
aaccctgcca catcatgtaa acaatcccgg actagcctgc tggaggaaga tagactgtgg   60
aacagaattg agttccacaa ggctccagag acatgagaga acccaactga gatcagcaga   120
gcagctacct caccccatggc tgaccacaga tgtatgagtg tgtccagaag aactttctgg   180
tggccccata ggtttgtgaa caataataaa tgcttatcat tttaaaaaaa aa   232
```

<210> 1473
<211> 384
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(384)
<223> n = A,T,C or G

<400> 1473
```
ctggggctac ctgcttangt canactgaga taaancactg gggaccccnc aggnccttgt   60
tttttannt tntgcaangn nnngctgcta ntattggtgt gaanagaggt ccanncngtt   120
cctaccanag gcgacttggt tcgnatttat tcagtantag naggngcata cagccactca   180
tcctcaantg ccanccctnag gagnntatgc tgcacacana ctggcncaat gngccaggaa   240
gacatactgc aacggctact tgctacaaac attagttggt gacagcagca tattggaagc   300
acccttgaat ttttgnttaa taagaggaat ttggctacat aaaattgatt gcttaaatct   360
attacanccc tggcagttac ctat   384
```

395

<210> 1474
<211> 104
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(104)
<223> n = A,T,C or G

<400> 1474
tgctgatgga cctgaacgcg gctggaacan gcncagnagg ngggacactn nncaaccttt      60
tgagcaagtt cagcctggtt aagtccaagc tgaattggcc aatt                      104

<210> 1475
<211> 438
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(438)
<223> n = A,T,C or G

<400> 1475
gtatattagt tcttatatga atgacagaag aaacaatgaa attgaaggaa aggaagatga      60
acngctaaga tggagtctca ctctgtcacc caggctgacc tcgactcaca gcaacctctg     120
cctccagggt tcaagtgatt cttctgcctc agcctcccga gtagctggga ctacaggtgt     180
caggcctctg agcccaagct aagccatcat atccctgtg atctgcacct acacatccag      240
atggcctgaa gtaagtgaag atccacaaaa gaagtgaaaa tagccttaac tgatggcatt     300
ccaccattgt gatttgnttc tgcctcatcc taactgggna naggnccntt ggaaatctcc     360
ccncccttaa aaaggttctt tgtaattctc cccacccttg agaatgtact ttgtgagatc     420
caccctctgc ccgcaaaa                                                   438

<210> 1476
<211> 371
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(371)
<223> n = A,T,C or G

<400> 1476
ctcggctcac tgcaacctcc gcctcccagg ttcaagcgat tctcctgcct cagcctncan      60
aatagctagg attacaggcg catgccacca cgcccggnta attnttgtat tttnagtaga     120
gaagggttta gncatgttag ntagccaggc tgatctccaa ctccnacctc aagtgatccg     180
nccgcctngg cctnccaaaa tgctggnatn acaggnntga gccaccgcgc ccagccccag     240
gcaacatatt ttcttaaggc agctttaaca ggccatgcat ttccacattt ccacaccttt     300
gcatatgcng ggnaattctg gggggaaaan nccttttccg tgtttnttnc cagnacttaa     360
ccttccttta a                                                          371

<210> 1477
<211> 204
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(204)
<223> n = A,T,C or G

<400> 1477

```
catggcaact cacagtgtga cctgggacca ggagcacaga tcactgaaga gactgttaga       60
aatgcaactt caggctggac gtagtggctc atgccagtaa tcccaaaact ttgggaggcc      120
gaagcgggcn ggatcacttg aggtcatgag tttgagacca gcctggccaa catggtgaaa      180
cttcgtctct actaaaaata caaa                                            204
```

<210> 1478
<211> 253
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(253)
<223> n = A,T,C or G

<400> 1478

```
acccaaattt cttgaccacc ctntatagct cantacatcc agtctggtgt ggactttccn       60
ttaccttcc ttctcccttc ccttntttag ccactgnggt gaggcaagga tggaaaagag      120
aagtggnccc cgtggggcat gnccnnttcc ntgccttccn ccactnnncn ggggcggcca      180
nctnattaat tatcccaacc aggnnctttt aggggtgaaa gttggcctaa cataaataaa      240
atgttatttt aaa                                                        253
```

<210> 1479
<211> 445
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(445)
<223> n = A,T,C or G

<400> 1479

```
attcagagcc ccagcctgtt cataaaaaaa atcagatgaa ttttgtctgc ggaacattct       60
gcaaaaatat ctgaccagta agtaancctc taaatagcca cagccatcaa cagcaaggaa      120
agtctgagna agtgtcacag ccaagaggac cctataaaga catgatgact aaatgtaaca      180
tggtgtcttc catgggatcc tgaaacagaa aaaggacatt aggcttactg taaattagag      240
ggagcaaatt ggaggagaaa tgacaaaga aacagaaaaa atgtttaatc agacaaagga      300
actaaaaaac ctcagtctta attagaagat ggtcaaacaa atctcttaac tgatgttcac      360
aatgatggtt tcaagtcatc taanggatgg ggagaaaaaa ccacctggng aattgcaaag      420
atattaanaa attttttttca tgacc                                          445
```

<210> 1480
<211> 227
<212> DNA
<213> homo sapiens

<400> 1480

```
actctgcact ccatggatca gctgacacca ctcagacctg taatctggct caaccagttc       60
tgccatccca cccaggaaca gaagacagca agaaaaactc acttcgaccc cctatgattc      120
catctccaac ctgaccaatc accagccccc acttccgaag cccctgcccg ccaaattatc      180
tttaaaaatt cggatcccca aatgtaataa taaaactcca gtctccc                   227
```

<210> 1481
<211> 103
<212> DNA
<213> homo sapiens

<400> 1481

```
cttagacctg tgccctgttg tatctgtgga ccagctcatg tggaagagac aagatcttca       60
ggaagaatcc caaagccaga tccctttccc ccaccaaaaa aaa                        103
```

```
<210> 1482
<211> 286
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(286)
<223> n = A,T,C or G

<400> 1482
aaattgatgt acacgcaaag cacaccagac tccgtacttg atggatcagc tgacaccacc        60
canaccagtn tctggctcaa ccagttctgc catcccaccc aggaacagaa aacagcaaga       120
aaaactcact tcgaccctnt atgactccat ctccaacttg accaatcagc actccccact       180
tcccaagccc ctacccgcca aattatctta aaaactctga tccccaaatg ttcggggaga       240
caaagttgag taataataaa attccagtct cctgcaaaaa aaaaaa                      286

<210> 1483
<211> 494
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(494)
<223> n = A,T,C or G

<400> 1483
catttaaaat atggtatctg tcttaaataa atgacaacca acttgagaac tatatggcat        60
agaacttgca taatttctcg ttcatataaa cnaaactgaa gaccatgaag gacttagact       120
ggatcacgag gtcaagagat agacaccatc ctgtctaaca cagtgaaacc ccgtctctac       180
taaaaattca aaaaattagc cggcgtggta gcaggcgcct gtagtcccag ctactcgaga       240
ggctgaggca ngagaacggc gtgaacccgg gaggtggagg ttgcagtgag ccgagagccc       300
gccactgtac tccagcctgg gcgacagaac gagacaaaaa ttagctgggc gtggtggcac       360
atgcctgtag tcccagctac tccggaggct gaggcaggaa natcgcttga acccgggagg       420
cagaggttgc aatgaaccaa aatcacccct gccttcagcc tggcagcaga gtgagactct       480
gtctcaaaaa aaaa                                                         494

<210> 1484
<211> 533
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(533)
<223> n = A,T,C or G

<400> 1484
agacggagtc ttgctctgtc acccaggctg gagtgcgtgg cctgatctca gctcactgca        60
agctccacct cctgggttca cgccattctc ctgcctcagc ctccagagta gctgggacta       120
caggcaccca ccaccacgcc tggctaattt ttgtattttt agtagagaca gggtttcatc       180
atgttagcca ggatggtctc gatctcctga ccacgtgatt tgcccgcctc ggcctcccaa       240
agtgctggga ttacaggcag gagccaccgc acccggcccc agaggctgcc aggatgaaat       300
gcaatactcc agttactact aagtcaagtc cctcagagat gctgaagaaa tctccanaag       360
attcaagtcg gctggagtgt gctggcgaaa tcttggctca ctgcaacctc cgtctcctgg       420
cttcaagcga ttctcctgcc tcaacctcct gagtggntgg gactacaggc accgtgccac       480
tttcattgcg cgtcggggng aaaagaccac caaacaggct ttgtcaaaga atg             533

<210> 1485
<211> 542
<212> DNA
<213> homo sapiens
```

<220>
<221> misc_feature
<222> (1)...(542)
<223> n = A,T,C or G

<400> 1485
gcagaaggtg taggctgcag gtttcgggcc taagagaggg catggctggc gacacggagt   60
agactcctag atgacataac ggaggcgagt ctgcaccggg gactcggcat taggaggagg   120
cagaggaaaa gcccaccacc gtggccgagg gagatctagc aagcagcttg caggggggtga   180
agtgtgtgca aagcaggctg agacctgtcc agtatcgaaa cacgccgcgg tggtcaagca   240
ggctttacca tgctcaggcg caggctggta caagatttgc agcaacaaac accaagtgga   300
gaactacatg aacacttttg atcgcatccc agttttcaga caatctcgga taattctgaa   360
aatgcttctt atgcattata taagaagttt aaggttatga tttaacagac aagctttttc   420
aggagtatta agttattggc agaagaaaag acctacttaa aggttggatg actgtattcc   480
taaaagggtc atacctctca aaantacctt aagatctctt tttggctcaa agaattaaat   540
tt   542

<210> 1486
<211> 117
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(117)
<223> n = A,T,C or G

<400> 1486
actatgggaa aaactcagag ggcaacaggt cttctctaca tgacgcatgc tntgctacca   60
acttctgnat nccttctncc attttntgaa aataaaatca aaagggaaat caaaaaa   117

<210> 1487
<211> 189
<212> DNA
<213> homo sapiens

<400> 1487
gaaaagagga agagatagga gatttctctc tcctccttgt gagggatacc aagggagaaa   60
gatgggccca tcagcacatc agggaagaag agccatcaat agaacccgaa tcaaccagac   120
accttgatca tgggacttct gagcctcctg aactggtgag aaataattta ttattggtcg   180
aaaaaaaaa   189

<210> 1488
<211> 367
<212> DNA
<213> homo sapiens

<400> 1488
aaccaacagc aaaatacact cccctttaagg ttacctttga gaattaggac catcaaaagg   60
agaagatcgg ctaccctaca ggcacatgat aggatggaat tcctcagccc tcctgaagtt   120
aggccactgc aagaggccta actggcttgc tttggccagt gaaataagag tagaagtcac   180
atgtgttgtt actgtcaggc acaagtattt aactgccaat gtaacacaag acactccagc   240
accctctttt gatggagcct cctttgatct ggatgcctga gtgactatga tgatcagaga   300
ctctaacact cctactgacc caacagagag caatagtgag aaataagact gttgtgttaa   360
aaaaaaa   367

<210> 1489
<211> 101
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature

399

<222> (1)...(101)
<223> n = A,T,C or G

<400> 1489
gaggccacct ctgtgattna cccccgtgct tcccancana aantggaaga tgtaggagca   60
aaacaaacaa tgntgncatt gntttcaccc acgaaaaaaa a   101

<210> 1490
<211> 207
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(207)
<223> n = A,T,C or G

<400> 1490
acctacacaa gggattcagt ccgtcttagg ttctgctaat gacaactctt cttnaagttc   60
ttcaaggccg tgtgaaaagg aaaagccagc cgggcacagt ggctcacgcc tgtaatccca   120
gcactttggg aggctgaggc ggncggatca cctgaggtca ggagtgcgag accagcctgg   180
ccaatgtgtc tntactaaaa atacaaa   207

<210> 1491
<211> 560
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(560)
<223> n = A,T,C or G

<400> 1491
atccctcttg cccagcacaa agtattatag aacanggttt tgaaaatggc tgaagacagc   60
aggaaactcg tcttcaagcc tgaacagtgg gagtcagcac gatcgccacg ccctcaactc   120
aagtcccctc ccagatcttg agttcttccc tctgagagtg ggggaggacg gcggacggga   180
acaaggcgcc ccgacatggt gtgccttttg gcaccggcna tgagccttgc tccgccatcg   240
gccgccgggg ttttccagtc agcctgtctc ctgattctct tccctgccgg cgcagcggtc   300
cggccgaatc tcgccggggt ctnctcttcc ctgcaccagc cagcgccttc tggctggcag   360
tcccaccctg gctcaccctt ccgaagagcc tgccgagacc actcatcgng agctcgctnt   420
ccgtccgcc ctaacgtcct acanacttcc gcttgcttct gggagggggt ngtttaatca   480
cacaaggacc aagccttgcc aatccgtcct canggcgccg ncggaaatta agangcgcaa   540
acgaaaacca ccggtgtacg   560

<210> 1492
<211> 128
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(128)
<223> n = A,T,C or G

<400> 1492
ttaccgctat ggcaactggt atgcccgaca gcacggntnt ttcnttcttt ccccctcccg   60
ntatggctgg gcantggatg ganacccccc ccnctgtttt tctgtncntn ttacccatga   120
tcacgcgg   128

<210> 1493
<211> 402
<212> DNA

<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G

<400> 1493
```
gcaagggtgg tgatctcagt taattgcanc ntttgcnttt cggaatcaac caatnntcnn      60
gcttaacttn cccaagtngc tgaantaacn ggggccttcc accaccccaa gttaatttg      120
gatttttnag aaaaaacggg gtttaatcat gttgggccag ggctgggtct tggactcctg     180
gccttaaggt gaatcccgct gcctcaacct tccaaanggg ctgggattac agggcatggg     240
ccaccatgcc tggccttggg ggacatacat attttttgaa aaaaaaaatg cttttcactc     300
ctgccaaaac agaaagaaag aaatacaaca aacaaagcca atctctaaag tgctctctcc     360
aaattaataa tactgnaaat ttacctttat gccaaaaaaa aa                        402
```

<210> 1494
<211> 364
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(364)
<223> n = A,T,C or G

<400> 1494
```
aacccatgca ggagaacctc tccaggtnca catatttcct gctactggaa nggcttaaaa      60
ctggggattt gcaaggaact acgaaagtcc aagacctttg ccttttttta aaaagaaagg     120
ccccagctgg gtcttccatg gtggaaggtc ttctccagaa atgaactctt gaaaagccca     180
catggttgga gaatggcccc cattacangg atggggagaa gcaccctgga acccccccaa     240
gntattggac ttaaaaaaaa gacaggttgc cctggaaaaa tcatctgacc ccacattgga     300
ctttatgtga nggggggaaat aaaccnttat tatggttaag ctaccccant aataaataac     360
accc                                                                  364
```

<210> 1495
<211> 240
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(240)
<223> n = A,T,C or G

<400> 1495
```
gaaattggaa caggaatggc ntcangaant cccagtccac gtgtatccca ttttggtttt      60
ttnaagaaga attttngaaa ngaaagacag atgggaanga agaaatncca gtcacaaaga     120
tatgactttc ttaagtgggt gaaccccaag ntcctgagga acatgccctt tgccaagaaa     180
ggcaagaaag angtgcatga agaanatgca ngccacacca ccaangccct gctgccacgc     240
```

<210> 1496
<211> 190
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(190)
<223> n = A,T,C or G

<400> 1496
```
cctaattccc atgtgcccat gggcttgcag ctccccaagg aaagccagga cattgttggg      60
```

```
aattcttcta aacaaanctc aanaangaaa gttactttct tcacttgtgg gtgcccatat      120
ggggaatttg aaagtcgttc tactcatgct ctggttttca ataaaactgc ttctgcctct      180
gaaaaaaaaa                                                             190

<210> 1497
<211> 183
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(183)
<223> n = A,T,C or G

<400> 1497
gctgaattgg ccaattnttt tgctttttac cctggaagaa atactcataa gccanctctg       60
ntatttaccc ccaatcttca caagaaaaac tgtattggag tntacataat ccccacatgn      120
cctacgagaa acctgntgga acgttattga atgatggggg ccntcttncc cccggttgcc      180
ctg                                                                    183

<210> 1498
<211> 312
<212> DNA
<213> homo sapiens

<400> 1498
gactttaaaa gaaggcttaa gaaaagcacg caggcctggc cgggtagctc acgccagtaa       60
tcccagtgct ttgggacgtc aaggcaggcg ggtcgcttga gagtagagtt tcgagacctg      120
ggcaagatgg tgagactccg tctttatgaa atattttaag aaaatcacgt acacctgtgg      180
tccccgctac aagggaggct gaggcggaag gattgcttga gcccaagagg ttgaggctac      240
agtaagccgt gatccagcca ctgcactcca tccccggcaa cacaacgaga ccatgcgtca      300
ggaaaaaaaa aa                                                          312

<210> 1499
<211> 534
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(534)
<223> n = A,T,C or G

<400> 1499
gtggggtctt tcagcaccag ccactaggcg gcaggaaac ggcagagtgc cacacactgc       60
caggccagct ggaactacaa cagccccttа gggccacctt ggtggatagt caccggcaac      120
acctgtgaag actgacaaag ccagcatccc tgggatctaa cacgcagaaa tacacacgcc      180
aagacatgca aagcggccca tggagcattg atccaaagtg gaaggcaaag tggtctccca      240
tccacgggga acattgtggt tgcttgcaca ttctacatgc ttaccactgc tttcacacgg      300
ccatgaggag gaatggactc cagctcccgg ccgccccgga gggagtgggg tcagaagatg      360
canaagaggg tgcatgatga ggctctgctt ttaaaatgct gacagcttcc agtgtgtcat      420
gtacattttt gtgtatgtca aataagcact gagaaaaact tanggaaaat atngtggatt      480
acagatgaga cactcatatt gagaaggggg caaaccaagt acgtacaaaa aaaa            534

<210> 1500
<211> 149
<212> DNA
<213> homo sapiens

<400> 1500
aatgctaaga aattcagttc caggatatga actctacagc ggaagaataa gaaaccggac       60
taaacttctc actcatctgc ttctgggttc acacagattt ggtgaccgaa aacaatcttt      120
cgcgaaagtt cgctggccgg gcccaaaag                                        149
```

<210> 1501
<211> 383
<212> DNA
<213> homo sapiens

<400> 1501
```
tacaggaaga tataaatgca aatgtgcaaa aaaaggaaga aggaaagatg gaccaagttc        60
acctgtttgc tgagtttttag ttctcgaagg caatggaact gttgctatcc acttctgcct       120
cttagtacct taaacctcag agatgctcac tggaacactt tttacatgga tttgtctttg        180
gtttcatcag ataacctaga attggtcctg ttataattga agttccactc caccaggaat        240
ttgtcagcaa gagacagata gaaataaaca acaaaaacca gcctacaaaa catatgaaaa        300
caacaggttt taaagaataa ctgaagttga gatatataag actgatgcta tttgttgtgc        360
tgtgtataat ttcttggggc ttg                                                383
```

<210> 1502
<211> 387
<212> DNA
<213> homo sapiens

<400> 1502
```
gtagcatgaa tctcatcacg cacagagaga aagcttcact gaaaactcat tacagagact        60
ttgaatgaga taagataaaa tatagtccct gcaagcaact tcaccggatg ctaaagctaa        120
gaaattagag gacaaactat catctttctc atcatggaaa aacaccatct cttcatgctg        180
acctgccaac atatccaaac aacagtatgg gaaattctgc attgtaactt cttgacctac        240
cacaactacc agcacttgtt aatccatcac cttttatgat cccagaggac atttacagcc        300
ttctcctggg aaacaaatat ttgaacaata tgtcattgat aaacaatgct tagtaataaa        360
tatatcagtt gcaggcaatc aaaaaaa                                            387
```

<210> 1503
<211> 155
<212> DNA
<213> homo sapiens

<400> 1503
```
acacttcggg agctgtgggt tcggtgcaga catgtccaag tccacataca accacacaca        60
accaggcccg aaaatggaac agaaatggca tcaagaaatc ccagtccacg tgtatcccat       120
tttggttttt ttaagaagaa atttaaaaaa gaaag                                   155
```

<210> 1504
<211> 492
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(492)
<223> n = A,T,C or G

<400> 1504
```
gcatatccag tgtgtgtccc actgcccggt cgcctgtgca tgggtctatc attgcctgga        60
attggtgggc agaggaatga tggtcatgga taagggacca tccctccaaa gcgcatcacc       120
tcttctttca gtggtcacat tcaggcccta gctcctcact cagttgtaga accccaaaac       180
tcagtttgag tacctgatgt gcaggaagcc aaacagtgac acatcagtgc ttcaaaagag       240
agaatggttt atttgatttg gccaacggta atataggctc tgttacaaag ggaccttact       300
gtctgggacc tgctactcca gtactgccac aatgcaggat tccagaaaca gggtctccct       360
atgttgccaa gggtggtctt ccaanggccn gggggcctna agcgatcttc ttacttcagc       420
ctcccaaaat gctggaatta caggcactga ctactggncc tgccatgccc acgccactgc       480
tcccgctgtt gt                                                           492
```

<210> 1505
<211> 337
<212> DNA
<213> homo sapiens
```

<400> 1505

```
ggaagtgttg aaaaaaaatc taaaataaaa ggcagaaggc ctgtcttcta gaactgacac      60
taccaacaca aaagatgtct ttccaggttt ttgcatttct gacagccgga tggccccacc     120
tggacctgcc aaccgtttct gtggcccta cccaggaact gactcagcat taagaggaca      180
gcttcgagtc cctacaattt catcctcgag ccaaccaatc agcactcctg actcactggc     240
cccctacccg ccaaattatc cttaaaaact ctgatccctg agtttttggg gagactgatt     300
tgaataataa taaaactctg ctctcccaca aaaaaaa                              337
```

<210> 1506
<211> 370
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(370)
<223> n = A,T,C or G

<400> 1506

```
aacacaaata aaaaaccggc ctcctatttt gtgtacacag tccctgtaca gggtttctaa      60
tctgagggaa gtaaaacatg ccactttcta atggacaaaa acctcaggtt atctttggaa     120
cctcaggagg agagggattt cacccactca cagggtgctg cctcgaagcc cccagaacag     180
aaaggtgcta ccngggaaca aatcccacct cttccacttc cagcgctggt gtttnggtgg     240
cccccatgga cgaacaaccc tcttctcaag cagggaaagc agcccagaaa aggattacca     300
atgcttcatc ttcccttacg attcttcgtg gattaataaa atacatatac cntgccatgg     360
ataaaaaaaa                                                           370
```

<210> 1507
<211> 212
<212> DNA
<213> homo sapiens

<220>
<221> misc_feature
<222> (1)...(212)
<223> n = A,T,C or G

<400> 1507

```
agacggggtt tcgccatgtt ggccagactg gtctcgaact cctgacctca gctgatccac      60
ctgcctaggc ctcacaaagt gctggaatta taggtgtgag ccaccgtgcc cggcctgatc     120
tcattggatc tttgcagcaa tttgatgaat tgggtgttct cgttatcccc aggtggcagg     180
caactgaggc ccanaagaag gaagtaaaaa aa                                   212
```

<210> 1508
<211> 336
<212> DNA
<213> homo sapiens

<400> 1508

```
gaagtgttga aaaaaaatct aaaataaaag gcagaaggcc tgtcttctag aactgactct      60
accaacacaa aagatgtctt tccaggtttt tgcatttctg acagccggat ggccccacct     120
ggacctgcca accgtttctg tggcccctac ccaggaactg actcagcatt aagaggacag     180
cttcgagtcc ctacaatttc atcctcgagc caaccaatca gcactcctga ctcactggcc     240
ccctacccgc caaattatcc ttaaaaactc tgatccctga gtttttgggg agactgattt     300
gaataataat aaaactctgc tctcccacaa aaaaaa                               336
```